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Practice User Guide Information

The conservation practices and associated details in this document are applicable to fiscal year 2022 contracts for all FA Programs including EQIP, CSP or RCPP variants. Separate guidance is issued for CSP enhancement activity sheets.

Planning and Implementation guidance for each practice/scenario represents Indiana's priorities. All applicant's for EQIP must agree to adhering to the planning and implementation guidance in order to be considered high priority for consideration for funding. Prioritization takes place by the District Conservationist completing a Workload Prioritization Tool with the applicant. Applicants not willing to adhere to the planning and implementation guidance for the practices in their application will be screened as low priority and neither ranked nor considered for funding.

Payment Rates: Payment rates listed represent the standard unit payment rate for the scenario for EQIP. Refer to the EQIP cost list for the Historically Underserved (Beginning Farmer or Rancher, Socially Disadvantaged and Limited Resource Farmer) payment rates. Historically Underserved are ***generally*** 15% higher than the regular payment rate. Refer to the CSP cost list for the CSP payment rates which are typically 10% of the payment schedule cost.

Practice Scenarios: Planners should select the practice payment scenario that most closely matches what is needed in the conservation plan to address the resource concern. Certain scenario names, while highly specific, represent the minimum scenario required to meet the standard. The planning and implementation guidance for each practice provides information to help planners understand when the practice scenario name refers to a specific situation when the scenario is eligible or if it can be used as the minimum required to meet the standard. For example, CPS 382 Fence, has only a single scenario available to represent that is the only payment offered for fence regardless of the type of fence planned.

Applicable Ranking Pools: Each practice or practice scenario may only be applicable (eligible) to be included in an application ranked in that pool according to the tables for each practice in this guide. This information should correspond to the current year EQIP bulletin which prevails if the information in this guide is not aligned.

- General EQIP refers to the following CART ranking pools: Cropland, Pastureland, Forestland, Confined Livestock, Historically Underserved (BFR, LRF, SD)
- EQIP Specialty Crop refers to the Specialty Crops, Orchards and Vineyards ranking pool
- Organic Initiative includes: Certified, Transitioning or Exempt from Certification
- Wildlife Habitat Pools include: General Wildlife, Pollinators, Invasive Species Treatment, WLFW Northern Bobwhite, and WLFW Monarch Butterfly)
- For additional initiatives not yet announced or finalized by the release of this guide will use a state directive to communicate eligible practices for that initiative.

Note: Refer to specific RCPP project guidance for eligible practices and scenarios for each project.

Practice Narratives: unless specified, select narrative code '00N' for the practice. If a different narrative code is recommended, the narrative code to use with each practice scenario will be identified in this user guide.

Cost List Scenarios – High Priority practices are designated with "Pr" and apply to any contract where that practice is eligible to be included. Source Water Protection Area payment rates are designated with "Wp" and apply only if any land in the application is located in a source water protection watershed. This can be verified in Conservation Desktop or if the geospatially answered ranking question is answered "yes" in CART.

472 Access Control

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
472	Animal Exclusion from Sensitive Areas	AC	$51.44			Y

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	GLRI Nearshore Health
MRBI, NWQI, WLEB	Wildlife Habitat Pool

Planning Requirements:

- Use practice narrative code 01N.
- Livestock must currently be present in the area planned to be protected to be eligible for this payment. Payment is to **permanently** exclude livestock only.
- In the case of wetlands, the area protected is the portion of wetland present on the contract acres that is protected by the exclusion.

Implementation Requirements:

- Area protected must have a minimum of 30 FT distance to water in the case of streams, measured from barrier to water's edge.
- Only eligible for one-time payment on the land where this scenario is scheduled. Payment cap is per contract. Participants may not use multiple contracts to exceed payment cap.
- Practice Lifespan: 10 years

Documentation for Payment:

- Assistance notes from NRCS field verification.

560 Access Road

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
560	New gravel road, 6in, wet level terrain	FT	$8.63	$2,256	$2,706	Y

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	EQIP Specialty Crop
NWQI, WLEB	

Planning Requirements

- Practice extent is limited to only the actual area needing treatment (i.e., area where the existing resource concern such as gully erosion is occurring).
- If using access road in conjunction with the relocation of an existing livestock feeding HUAP from a sensitive area to a more suitable location, the entire length of the access road is eligible, but the maximum payment cap still applies.

Implementation Requirements:

- Payment cap is applicable per contract as well as a maximum for any participant on multiple contracts.
- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

309 Agrichemical Handling Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
309	Concrete Agrichemical Handling Pad for mixing and loading	SQ FT	$7.38	$25,000		N
309	Liquid Agrichemical Storage, Concrete Walls and 12 inch Floor	SQ FT	$12.48	$25,000		
309	Liquid Agrichemical Storage, Concrete Block Walls	SQ FT	$6.15	$25,000		

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	NWQI, WLEB

Planning Requirements:

- When determining the location of a 309, planning considerations must be made to minimize the risk to ground and surface water (depth to water table, depth to bedrock, surface runoff, etc.).
- NRCS may provide engineering assistance. Participants who choose to install a facility without NRCS engineering assistance must bear the cost of engineering design, installation, and checkout without TSP TA assistance. A P.E is required for these services but would not be required to be a TSP since no FA or TA is being offered.
- Concrete Block Walls scenario to be utilized for facilities with synthetic liner.
- Payment rate does not include roof. Schedule (367) Roofs and Covers as appropriate.

Implementation Requirements:

- All Agrichemical Handling Facilities will be for non-commercial use only.
- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

228 Agricultural Energy Assessment Conservation Evaluation and Monitoring Activity (CEMA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
228	Small, One Enterprise	NO	$2,005.10			Y
228	Medium, One Enterprise	NO	$2,704.25			Y
228	Large, One Enterprise	NO	$3,571.05			Y
228	Small, Two Enterprise	NO	$3,209.39			Y
228	Medium, Two Enterprise	NO	$3,908.53			Y
228	Large, Two Enterprise	NO	$4,775.33			Y
228	Small, Three Enterprise	NO	$4,413.68			Y
228	Medium, Three Enterprise	NO	$5,112.82			Y
228	Large, Three Enterprise	NO	$5,979.62			Y
228	Small, Four or more Enterprises	NO	$5,617.96			Y
228	Medium, Four or more Enterprises	NO	$6,317.11			Y
228	Large, Four or more Enterprises	NO	$7,183.91			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative

Planning Requirements:

- An agricultural energy assessment plan (AgE-CEMA) is a detailed documentation of energy-consuming components and practices of the current operation, the previous year's on-farm energy consumption and the strategy by which the producer will explore and address their on-farm energy conservation concerns, objectives, and opportunities.
- The scenario size is determined by the largest enterprise in the operation and as defined below:

Small	**Medium**	**Large**
< 300 Acres	301 – 2,500 Acres	> 2,500 Acres
< 300 Animal Units	301 – 1,000 Animal Units	> 1,000 Animal Units
Up to 2 Irrigation pumps	3 - 6 Irrigation Pumps	> 6 Irrigation pumps
< 20,000 sq ft heated greenhouse or maple syrup processing enterprise	20,001 to 40,000 sq ft heated greenhouse	> 40,000 sq ft heated greenhouse

Examples:

  - A 750 head dairy (Medium) = one enterprise (dairy) and payment would be for 750 AU.
  - A 750 head dairy w/1000 acres of cropland = two enterprises (dairy and field crops). The 1000 acres would be used to size the operation (Medium).
  - A 750 head dairy w/ 5000 acre cropped field = two enterprises (dairy and field corps) and the acres pushes this site to the largest size.
  - A 4-house poultry farm (25,000 broilers per house, average weight of 4 lbs., would be 400 AU) with no cropland there is only one enterprise and 300-2500 AU.
- Enterprises (as defined by ASABE S612 Energy Audit Standard) are: Aquaculture, Beef/Veal, Dairy, Field Crops, Fruit/Vegetables, Nursery/Greenhouse, Poultry, Swine.
- Use only one scenario for the contract item (CIN). Select the scenario that represents the most components to evaluate. The scenario will represent all aspects of the operation to be evaluated. If any of the enterprises are livestock related, a livestock type must be recorded in ProTracts.
- If a previous ON-farm Energy Audit has already been completed on an operation it may still be valid depending on several factors. Contact State Energy contact Scott Wagner (scott.wagner@usda.gov) at the state office to review adequacy.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of completed plan that meets national CEMA 228 deliverables
- Submit to state energy contact, Scott Wagner (scott.wagner@usda.gov) and Area Engineer for review

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
120	Low Complexity, One Design	No	$2,261.05			Y
120	Medium Complexity, One Design	No	$3,418.52			Y
120	High Complexity, One Design	No	$4,576.00			Y
120	Low Complexity, 2-3 Designs	No	$3,509.48			Y
120	Medium Complexity, 2-3 Designs	No	$4,666.96			Y
120	High Complexity, 2-3 Designs	No	$5,824.43			Y
120	Low Complexity, 4-5 Designs	No	$4,757.92			Y
120	Medium Complexity, 4-5 Designs	No	$5,915.39			Y
120	High Complexity, 4-5 Designs	No	$7,072.86			Y
120	Low Complexity, 6+ Designs	No	$6,006.35			Y
120	Medium Complexity, 6+ Designs	No	$7,163.82			Y
120	High Complexity, 6+ Designs	No	$8,321.29			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative

Planning Requirements:

- **An Agricultural Energy Design and Implementation Activity (AgE-DIA) is a plan that uses recommendations from an NRCS approved assessment or tool used to evaluate energy conservation opportunities and assists with the client's objective to improve energy efficiency.**
- The State Office must be involved with the planner and client during the planning process, before Conservation Assessment/Ranking, for this DIA to ensure the proper scenarios, extents, and requirements are fully understood and agreed to. Contact State Energy contact Scott Wagner (scott.wagner@usda.gov) as early in the planning process as possible to meet this requirement.
- Utilize the Low Complexity Scenarios for the following:
  - Low complexity is for one-to-one device replacements
  - Scenario is for a new component to modify the operation of an existing device. Output of existing devices should be maintained with 10%
  - New devices should be installed in the same location as existing devices
  - Does not require substantive changes to electrical, mechanical, plumbing, or structural systems
  - Ex: Light bulb or fixture replacements, controllers, attic insulation
- Utilize Medium Complexity Scenarios for the following:
  - Medium complexity includes a change in the service level of more than 10%.
  - Scenario is for new devices installed in new locations.
  - Requires substantive changes to either electrical, mechanical, plumbing, or structural systems
  - Ex: Adding light fixtures, wall insulation, grain dryers, evaporative cooling
- Utilize High Complexity Scenarios for the following:
  - High complexity includes a change in service level of more than 30%. The change cannot be evaluated or designed with simple tools or manual calculations.
  - New devices should be installed in new locations.
  - Requires substantive changes to two or more electrical, mechanical, plumbing, or structural systems.
  - Ex: Comprehensive lighting system redesign, radiant heating, conversion to tunnel ventilation or bench heating.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national DIA 120 deliverables
- Submit to state energy contact, Scott Wagner (scott.wagner@usda.gov) and Area Engineer for review

371 Air Filtration and Scrubbing

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
371	Single Pit Fan Biofilter	EA	$14,466.35			Y

Practice Scenario applicable to ranking pools:	
GLRI Nearshore Health	

Planning Requirements:

- Use practice narrative code 05N
- For existing air quality concerns associated with existing mechanically ventilated livestock buildings.
- Eligible for bed type filters on pit fans only.
- Eligible components include biofilter, plenums, exhaust fan upgrades and moisture management systems.
- Producers are required to obtain their own Technical Assistance (NRCS will not provide design or funding for TSP design).
- A P.E is required for these services but would not be required to be a TSP since no FA or TA is being offered.
- Planning for this practice must be coordinated through an NRCS Area Engineer.

Implementation Requirements:

- Payment is per fan.
- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

333 Amending Soil Properties with Gypsum Products

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
333	Gypsum less than 1 ton per acre	AC	$26.15			

Practice Scenario applicable to ranking pools:	RCPP-Big Pine
GLRI Nearshore Health	MRBI, NWQI, WLEB

Planning Requirements:

- NOTE: While this practice is only available through EQIP in targeted initiatives, it is available at a lower rate through CSP statewide.
- See FOTG Standard 333 and Indiana Agronomy Tech Note #7 Amending Soil Properties with Gypsum.

Implementation Requirements

- Practice Lifespan: 1 years

Documentation for Payment:

- Eligible for up to three payments in a contract.
- Documentation to show how much was applied (e.g., invoice).
- Documentation to of application method.
- Soil test and recommendations as applicable.

591 Amendments for the Treatment of Agricultural Waste

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
591	Zeolite for Ammonia Reduction	kSqFt	$456.15			

Practice Scenario applicable to ranking pools:	National Organic Initiative
GLRI Nearshore Health	MRBI, NWQI, WLEB

Planning Requirements:

- NOTE: this practice is only available through EQIP in targeted initiatives
- The unit is calculated in kSqFt or kilo square feet or 1000 SQ FT.
    - Ex: If there is a 30,000 sf. area, the planner would schedule 30 (30,000/1000sf)
- See FOTG Standard 591
- Consult with area and state office technology staff for additional guidance prior to including this practice in a plan / EQIP application.

Implementation Requirements

- Practice Lifespan: 1 years

Documentation for Payment:

- Eligible for up to three payments in a contract.
- Documentation to show how much was applied (e.g., invoice).

366 Anaerobic Digestion

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
366	Covered Lagoon/Holding Pond	AU	$281.76	$200,000	$200,000	Y

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	NWQI, WLEB
EQIP Specialty Crop	

Planning Requirements:

- Payment based on number of 1,000 lbs Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs * 150 lbs/hog) / 1000 lbs/AU = 420 AU.
- A CNMP is required to be completed prior to the design of 366.
- Producers are required to obtain their own Technical Assistance for 366. NRCS will not provide design or funding for TSP design.
- A P.E is required for these services but would not be required to be a TSP since no FA or TA is being offered.
- Planning for this practice must be coordinated through an NRCS Area Engineer.

Implementation Requirements:

- Payment is eligible for the digester vessel, cover, internal equipment, controls, gas piping and flare portions of the digester only.
- Payment cap is per contract.
- Practice Lifespan: 25 years

Documentation for Payment:

- Engineering As-Builts

316 Animal Mortality Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
316	Small Animal Composter	LB/DAY	$25.03			Y
316	Medium-High Animal Composter	LB/DAY	$239.29			Y
316	Large Animal Composter	LB/DAY	$380.60			Y
316	Medium - Low Animal Composter	LB/DAY	$103.19			Y
316	Forced Air Composting with mortality preprocessing (poultry/turkey)	SQ FT	$54.72			Y
316	Forced Air Composting with mortality preprocessing (Sow-Finisher)	SQ FT	$59.85			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Use practice narrative code 01N for all scenarios.
  Payment will be based on lbs/day of mortality.
- Payments rates for small, medium – low, and med-high scenarios are based on bin-type systems.
- Payment rate for large animal type based on windrow composting.
- Scenarios are based on bin type storage system. Participants may choose to install a rotary drum composter. In this case, the payment will be based on the eligible size for a bin-type structure.
- Small Animal Composter example: <3 lbs/animal (poultry)
- Medium-Low Composter example: 3 – 50 lbs/animal (poultry)
- Medium-High Animal Composter example: 50 – 500 lbs/animal (mostly swine)
- Large Animal Composter example: >500 lbs/animal (mature cattle)
- **Forced Air Composting with mortality preprocessing scenarios will only be planned for operations with 300 lbs/day or greater mortality rate.**
- Composter Payment rate does not include roof. Add (367) Roofs and Covers as appropriate.
- Forced Air Composting scenario includes a roof and should NOT be scheduled as associated practice.
- Incinerators are not eligible for payment under this practice.
- The 316 standard is not eligible to be used for disease related, mass mortality situations. The USDA Animal and Plant and Health Inspection Service (APHIS) will lead any efforts to determine how to address disease related, mass-mortality. Field Office must follow all NRCS Bio-security protocols when assisting producers who have reported disease-related mass mortality.
- Refer to (368) Emergency Animal Mortality Management for catastrophic events not related to diseases.

Implementation Requirements:

- Payment cap is per facility.
- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

810 Annual Forages for Grazing Systems

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
810	Annual Forages for Grazing Systems – Multiple Species (Organic and Non-organic)	AC	$61.40			Y

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	GLRI-Nearshore Health
EQIP Specialty Crop	WLEB

Planning Requirements:

- Any forage mix that presently meets Indiana Annual Forages 810 Seeding Calculator is eligible for payment.
- If utilized to balance the animal/forage balance for a grazing system, the operation must presently have grazing/ruminant livestock in need of additional feed.
- Not utilized as a means to plant corn silage.
- If utilized solely to remove excess nutrients, additional phosphorous (commercial or manure) will not be applied, and if the forage is grazed, livestock will not be fed additional feed(s) besides mineral on the enrolled field.
- If utilized to reduce erosion or improve soil health, this practice must be part of a soil health management system.
- Plan 810 in conjunction with 512, 528, 511, 590, 328, or 329 to fully meet the planned purpose.
- Practice 810 can be scheduled in the same field, the same year, with 340, except not at the same time (must be in sequence).
- Planned 340 may be switched out for 810 if;
    - all planned 340 resource concerns are met, and
    - are not to exceed original 340 payment rate, and
    - an 810 purpose can be met, and
    - not exceed 40 acres.

Implementation Requirements:

- Practice Lifespan: 1 year
- Eligible for up to three payments per year on the same land

Documentation for Payment:

- Seed tags
- Documentation to show how much seed was applied (e.g. seed invoice)
- Documentation of field preparation and seeding method
- Assistance notes from NRCS site inspection
- IN Annual Forages 810 Seeding Calculator Job-sheet (IR)

396 Aquatic Organism Passage

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
396	Culvert Replacement	EA	$3,633.76			

Practice Scenario applicable to ranking pools:	Wildlife Habitat Pool

Planning Requirements:

- This practice may only be scheduled after consultation and approval from the NRCS area and state office technology, engineering, and program staff.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Engineering As-Builts

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
314	Removal of Invasive Woody Understory, Light	AC	$78.45			
314	Removal of Invasive Woody Understory, Medium	AC	$135.16			
314	Very Heavy Brush Management	AC	$240.83			
314	Removal of Invasive Woody Understory, Very Heavy	AC	$546.81			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Invasive Species	WLFW Northern Bobwhite
WLFW Monarch Butterfly	NWQI

Planning Requirements:

- Practice Scenario Clarification

Scenario Name	Description
Removal of Invasive Woody Understory, Light	By stand - Less than 10% cover of all inventoried Invasive woody shrubs, trees, or vines listed in the Biology Technical Note #9 - Biosecurity Procedures for Preventing the Spread of Plant Pests
Removal of Invasive Woody Understory, Medium	By stand - 10-39% cover of all inventoried woody shrubs, trees, or vines listed in the Biology Technical Note #9 - Biosecurity Procedures for Preventing the Spread of Plant Pests
Very Heavy Brush Management	By stand - >40% cover of all inventoried woody shrubs, trees, or vines listed in the Biology Technical Note #9 - Biosecurity Procedures for Preventing the Spread of Plant
Removal of Invasive Woody Understory, Very Heavy	By stand - Limited use for >60% + shrubs/vines >6 feet, trees, and vines listed in the Biology Technical Note #9 - Biosecurity Procedures for Preventing the Spread of Plant Pests
Calculate % cover as the combination of all shrubs, trees, and woody vines listed in the latest Biology Tech Note #9 – "Biosecurity Procedures for Preventing the Spread of Plant Pests" on a PLU/stand basis according to how each PLU/stand fits within the scenario criteria listed above. Breaking out PLUs into separate stands based on % cover may facilitate more accurate cost estimates and allow for treatment of new infestations, early detection rapid response situations and less common species.	

- If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CPA 106 Plan, DIA165 or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
- All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the CPA 106 FMP criteria.

- If 314 is being implemented through a Wildlife Fund Pool, the appropriate WHEG must be used with a minimum 0.5 Planned Habitat Suitability Score.
- The 314 Implementation Requirements (IR) or Job Sheet or equivalent DNR Job Sheet may be used for providing the needed level of detail if supported by a current Stewardship Plan, Tree Farm Plan, CAP106, CPA 106, DIA 165, grazing management plan, invasive species management, wildlife management or equivalent plan. (See below planning elements.)
- Management plans older than 12 months requires a site visit. If no significant changes are found, this must be documented in assistance notes or in an addendum to the plan. Significant changes require an addendum to the Management plan.
- The forestry, wildlife, grazing or equivalent 314 plan must include the following elements:
    - Identification of all species needing treatment in the land units under contract
    - Timing and methods (chemical, mechanical, or other – can be general info) for treatment for all species identified for all years
    - Existing percentage infestation/canopy coverage of invasive species, and delineated area of treatment at each payment scenario level.
    - Expected post treatment level in each delineated area
- All species identified on the PLU in the list below are to be included in the plan and treated.
- Eligible on **Forestland and Associated Ag Land** to control: **Ailanthus (Tree of Heaven), Amur Cork, Bush Honeysuckle, Autumn Olive, Burning Bush, Callery Pear, Glossy Buckthorn, Japanese Barberry, Japanese Honeysuckle, Japanese Knotweed, Kudzu, Multi-Flora Rose, Oriental Bittersweet, Paulownia, Periwinkle, Siberian Elm, Winter Creeper, Privet, European Black Alder and Norway Maple. Any other Woody Shrubs or Trees and Vines on the Biology Tech Note #9 that are identified in the plan will be included in the % cover calculation and will be treated with this practice. Noxious weeds are not eligible for treatment with this practice.**
- Eligible on **Pastureland** (except under the wildlife ranking pool) to control: **Multi-Flora Rose, Autumn Olive, Glossy Buckthorn, Callery Pear, Honey Locust.**
- This practice will not be used to convert the current landuse into a more intensively managed landuse (i.e., will not be used to convert Associated Agland to pasture).
- Select the appropriate priority species when practices are planned for the WLFW projects.

Implementation Requirements:

- Eligible for up to three payments per contract.
- Scheduled payments must be successively lower in each year of treatment unless the lowest rate is used.
- If recommended in the CPA106 or DIA165 successively lower payments can be scheduled in years 1,2 and 4 to facilitate seed germination and decomposition of treated vegetation in the 3rd year and better treatment in the final year of the contract.
- Percent Canopy Cover can be given as a range. Acres treated are determined using a visual estimate of % plant distribution.
- Fields will be divided into smaller sub-units with similar infestation percentages.
- **Payment is for the acres of the land unit offered and is made only after each full year of treatment, as described/planned, is completed.**
- Practice Lifespan: 10 years

Documentation for Payment:

- Assistance notes from NRCS site inspection.

218 Carbon Sequestration and Greenhouse Gas Mitigation Assessment - (CEMA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
218	Low Complexity	No	$608.33			
218	Medium Complexity	No	$912.49			
218	High Complexity	No	$1,216.66			

Practice Scenario applicable to ranking pools:	
EQIP	

Planning Requirements

- An evaluation of the quantifiable carbon sequestration and greenhouse gas mitigation effects using the COMET-Farm tool. The information on the type of operation, land use, and management history is collected initially as part of the planning process for a conservation plan focused on carbon sequestration and greenhouse gas mitigation.
- Project designed to evaluate the current conservation plan and the baseline and historic management impacts on carbon sequestration and greenhouse gas mitigation. The COMET-Farm evaluation can occur concurrently or following a conservation plan.
- **Low Complexity** would include simple systems of a single enterprise, low number of management units, detailed available history
- **Medium Complexity** would include systems with more than one enterprise, a moderate number of management units, complex or difficult to define history
- **High Complexity** would include systems with multiple enterprises, high number of management units, and complex or incomplete management history

Implementation Requirements:

- A qualified individual will complete a COMET-Farm evaluation to establish a baseline of greenhouse gas emissions and sinks. This includes an evaluation of historic management prior to the year 2000. Then COMET-Farm will be used to estimate the potential effects of conservation practice installation to mitigate and sequester greenhouse gasses.
- A minimum of two future emission reductions and/or enhanced carbon sequestration scenarios will be developed for the farmer to evaluate
- The Qualified Individual will maintain an ongoing record of CEMA related discussions with the client documented on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence related to the development of the CEMA will be included in the record.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of completed plan that meets national CEMA 218 deliverables
- Submit to State Soil Health Specialist (stephanie.mclain@usda.gov) for review

101 CNMP Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
101	Design- Dairy greater than 300 AU and less than 700 AU with Land Application	NO	$8,495.72			Y
101	Design- Dairy greater than or equal to 700 AU with Land Application	NO	$9,442.56			Y
101	Design- Dairy less than 300 AU Land Application	NO	$8,495.72			Y
101	Design- Livestock Operations greater than 300 AU without Land Application	NO	$5,798.11			Y
101	Design- Livestock Operations greater than 300 AU without Land Application and Minimal Engineering	NO	$3,643.34			Y
101	Design- Livestock Operations less than or equal to 300 AU without Land Application and Minimal Engineering	NO	$4,890.04			Y
101	Design- Non Dairy Operation greater 700 AU with Land Application	NO	$9,610.21			Y
101	Design- Non Dairy Operation greater than 300 AU and less than 700 AU with Land Application	NO	$8,004.57			Y
101	Design- Non Dairy Operation Less than 300 AU with Land Application	NO	$7,094.29			Y
101	Design- Small Livestock Operations greater than 300 AU with Land Application and Minimal Engineering	NO	$6,352.76			Y
101	Design- Small Livestock Operations less than 300 AU with Land Application and Minimal Engineering	NO	$5,045.88			Y
101	Design- Small Livestock Operations less than 300 AU without Land Application	NO	$5,277.42			Y
101	Design-CNMP Revision	NO	$3,535.88			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
Conservation Planning Activity	RCPP-Big Pine
MRBI	

Planning Requirements:

- "Minimal Engineering" means that an NRCS Engineer will complete the 313/359 design, and not the TSP or engineering not needed.
    - If DIA 101 is selected without "Minimal Engineering" the **313/359 design will be a required component of the DIA 101** and be completed by a CPA102 P.E. or a P.E. working with a DIA 101 TSP.
    - **This should be the first decision to make when choosing the appropriate scenario.**
- **If an applicant is in need of both a CPA 102 and DIA 101, and the applicant will hire a professional engineer to provide designs: Select BOTH the CPA and DIA scenario with engineering.**

- **If an applicant is in need of both a CPA 102 and DIA 101, and NRCS will provide all engineering designs: Select BOTH the CPA and DIA scenarios with "minimal engineering."**
- Scenarios that **do not use "minimal engineering"** must be used when the client will hire a professional engineer to provide all engineering designs needed. NRCS will NOT provide all engineering designs.
    - Note that the professional engineer does not need to be a certified TSP on NRCS Registry. However, the TSP will coordinate the development of the CNMP along with the engineering designs and deliver a complete CNMP document to the client prior to NRCS certifying the CNMP as complete.
- "With land application" should be used when any manure from the confined livestock operation will be applied to the land under the control of the applicant.
- "Without land application" should be used when all manure from the confined livestock operation will be transported/exported to be applied to land NOT under control of the applicant.
- **NOTE**: There is no equivalent CPA 102 scenario similar to the DIA 101 "Design-Non Dairy Operations greater than 700 AU with Land Application"
- **Livestock Types in the scenario names**: This choice is not as critical to select versus the decision who will provide engineering plans.
    - **Dairy = dairy cows**
    - **Non-dairy Operation = cattle operation other than dairies (i.e. veal, beef, etc.)**
    - **Livestock Operation = Large animals other than cattle (hogs, horses, sheep, goats, etc.)**
    - **Small Livestock Operation = fowl and small mammals (chickens, turkeys, ducks, rabbits, etc.)**
- A site-specific design and implementation activity plan developed for an Animal Feeding Operation (AFO) or user of the by-products of an AFO that includes components for both structural and nonstructural conservation practices that address the planned practices for land application of manure and nutrients, and the handling, transfer, storage and treatment of animal wastes.
- A Design and Implementation Activity (DIA) is the planning and designing of a single practice or any combination of vegetative or land management practices and management activities to treat one or more resource concerns.
- The DIA documents the verification of the client's CNMP CPA 102, CNMP CAP 102 or the current Conservation Plan and the development of the required CNMP documentation and implementation requirements for each planned structural and nonstructural conservation practices.
- The Technical Service Provider (TSP) will complete Implementation Requirements for vegetative and land management practices as outlined in each state adopted Conservation Practice Standard (CPS) and Statement of Work (SOW) found in the NRCS Field Office Technical Guide (FOTG) for the state in which the practices are being implemented.
- Select the appropriate scenario.

Implementation Requirements:

- The TSP will maintain an ongoing record of DIA related discussions with the client. The TSP will document on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence between the TSP and the client related to the development of the DIA will be included in the record.
- Select TSP from NRCS Registry certified for this DIA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national DIA 101 deliverables, including but not limited to:
    - Cover page
    - Conservation Assistance notes/correspondence
    - Maps
    - Documentation

317 Composting Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
317	Compacted Gravel Pad,6 inch Compacted Gravel	SQ FT	$0.69	$22,000		Y
317	Concrete Slab Under Concrete Bin Dividers	CU FT	$2.22	$22,000		Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- When determining the location of a 317, planning considerations must be made to minimize the risk to ground and surface water (depth to water table, depth to bedrock, surface runoff, etc.)
- Payment cap is per facility.
- Payment rate does not include roof. Schedule (367) Roofs and Covers as appropriate.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
102	Planning- Dairy greater than 300 AU and less than 700 AU with Land Application	NO	$7083.46			Y
102	Planning- Dairy greater than 700 AU with Land Application	NO	$8065.13			Y
102	Planning- Dairy less than 300 AU Land Application	NO	$5809.13			Y
102	Planning- Livestock Operations greater than 300 AU without Land Application	NO	$4603.17			Y
102	Planning- Livestock Operations greater than 300 AU without Land Application and Minimal Engineering	NO	$2713.38			Y
102	Planning- Livestock Operations less than or equal to 300 AU without Land Application and Minimal Engineering	NO	$3963.46			Y
102	Planning- Non Dairy Operation greater than 300 AU and less than 700 AU with Land Application	NO	$6392.98			Y
102	Planning- Non Dairy Operation Less than 300 AU with Land Application	NO	$5034.82			Y
102	Planning- Small Livestock Operations greater than 300 AU with Land Application and Minimal Engineering	NO	$4733.36			Y
102	Planning- Small Livestock Operations less than 300 AU with Land Application and Minimal Engineering	NO	$3963.46			Y
102	Planning- Small Livestock Operations less than 300 AU without Land Application	NO	$3702.39			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
Conservation Planning Activity	RCPP-Big Pine
MRBI	

Planning Requirements:

- "Minimal Engineering" means that an NRCS Engineer will complete the 313/359 design, and not the TSP or engineering not needed.
    - If CPA102 is selected without "Minimal Engineering" the **313/359 design will be a required component of the CPA102** and be completed by a CPA102 P.E. or a P.E. working with a CPA102 TSP.
    - **This should be the first decision to make when choosing the appropriate scenario.**
- **If an applicant is in need of both a CPA 102 and DIA 101, and the applicant will hire a professional engineer to provide designs: Select BOTH the CPA and DIA scenario with engineering.**
- **If an applicant is in need of both a CPA 102 and DIA 101, and NRCS will provide all engineering designs: Select BOTH the CPA and DIA scenarios with "minimal engineering."**
- Scenarios that **do not use "minimal engineering"** must be used when the client will hire a professional engineer to provide all engineering designs needed. NRCS will NOT provide all engineering designs.

  - Note that the professional engineer does not need to be a certified TSP on NRCS Registry. However, the TSP will coordinate the development of the CNMP along with the engineering designs and deliver a complete CNMP document to the client prior to NRCS certifying the CNMP as complete.
- "With land application" should be used when any manure from the confined livestock operation will be applied to the land under the control of the applicant.
- "Without land application" should be used when all manure from the confined livestock operation will be transported/exported to be applied to land NOT under control of the applicant.
- **NOTE**: There is no equivalent CPA 102 scenario similar to the DIA 101 "Design-Non Dairy Operations greater than 700 AU with Land Application"
- **Livestock Types in the scenario names**: This choice is not as critical to select versus the decision who will provide engineering plans.
  - **Dairy = dairy cows**
  - **Non-dairy Operation = cattle operation other than dairies (i.e. veal, beef, etc.)**
  - **Livestock Operation = Large animals other than cattle (hogs, horses, sheep, goats, etc.)**
  - **Small Livestock Operation = fowl and small mammals (chickens, turkeys, ducks, rabbits, etc.)**
- By definition, a CNMP is a conservation plan for animal feeding operations (AFOs).
- For EQIP, the CNMP is written for all acres and/or manure owned and/or under decision-making authority at that AFO that receives or can have fertilizer or manure applied (including lands under a "Land Use Agreement" or other similar control of the manure application.)
- All manure applications under control of the participant must be included in the CNMP. All tracts and fields under the CNMP will be included in the conservation plan and the contract. If the applicant's livestock operation is an IDEM permitted facility, they must include all acres submitted to IDEM for the manure management plan.
- If the CNMP is for an operation that exports all manure, (i.e., w/o land application), the plan must include records of where is applied, to whom it is exported, and the applicable paperwork given to each person receiving the manure.
- CNMPs must be completed (certified) prior to design of a Waste Storage Facility (313), Waste Treatment Lagoon (359), and/or Anaerobic Digestor (366).
- The CNMP must be used as the basis for the design of any waste storage and handling facilities. Calculation of manure amounts and existing storage should be coordinated between NRCS and the TSP.
- Livestock producers not building a 313, 359 or 366 and requesting assistance for a CNMP are eligible for the CNMP Conservation Planning Activity and DIA101.
- Non-Livestock producers receiving manure from another farm are not eligible for the CNMP CPA 102 (consider CPA 157 and/or CEMA 217), however, if a non- livestock producer has a contract to receive manure at the site for the length of the EQIP contract and is building a Waste Storage Facility (313) or Waste Treatment Lagoon (359), then a CNMP is required, and the participant would be eligible for payment.
- Participants that are required to develop a CNMP must be informed of the CNMP requirements.
- Refer to the NRCS AFO CNMP Website; for additional information and requirements.
- See the Indiana NRCS Agronomy website and the FOTG 102 standard for additional information on CNMP Requirements.
- Select TSP from NRCS Registry certified for this CPA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets National CPA 102 deliverables

327 Conservation Cover

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
327	Introduced with Forgone Income	AC	$443.01			
327	Native Species with Forgone Income	AC	$498.53			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	NWQI
EQIP Specialty Crop	
GLRI Nearshore Health, GLRI Invasive Species	Wildlife Habitat Pool
WLFW Monarch Butterfly	WLFW Northern Bobwhite
MRBI, WLEB	Climate Smart

Planning Requirements:

- Seeding mixes should be developed using the Indiana General Seeding Calculator found in FOTG Section IV.
- See Practice Scenarios for 420 Wildlife Habitat Plantings, when wildlife, pollinators, monarch, etc. are the primary target.
- 327 Introduced species with Foregone income is suitable for Honeybee plantings. Use the Honeybee planting Implementation Requirements (IR) or Job Sheet for mix development.
- When practices are planned for the WLFW Northern Bobwhite projects, be sure to select Northern Bobwhite as the priority species in CD.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection.

328 Conservation Crop Rotation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
328	Basic Rotation Organic and Non-Organic*	AC	$11.56			
328	Specialty Crops Organic and Non-Organic*	AC	$30.82			

* Denotes High Priority Practice.

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	MRBI, NWQI, WLEB
GLRI Nearshore Health	RCPP- Big pine
Climate Smart	

Planning Requirements:

- Basic crop rotation is now eligible in EQIP general (such as adding wheat to a corn/soybean rotation). A small grain added in rotation to an existing corn/soybean rotation will have this practice scheduled for all 3 years. This does not include double-crop soybeans.
- The specialty crop rotation scenario will address typical rotations consisting of low residue producing specialty crops by adding additional high residue and/or perennial crops to the existing rotation.
    - Specialty crops are defined as fruits and vegetables, tree nuts, dried fruits and horticulture and nursery crops, including floriculture.
- Rotation cannot include back-to-back low residue crops without a cover crop.
    - Low residue crops include soybeans, corn silage, etc.
- Must be planned to meet the Field Office Tech Guide 328 additional criteria to improve soil quality.
- **To be eligible for payment, adoption of this practice must result in an additional crop added to the rotation.**
- NOTE: all acres that will be managed under the new crop rotation are eligible for payment for each year of the contract.
    - Example – 300 acres (3 fields = 100 acres each) of corn/soy will be managed as corn/soy/wheat. Payment on the full 300 acres are eligible each year even though 100 acres of wheat, 100 acres of corn, and 100 acres of soy will be planted each year – rotated across the 3 separate fields.
- Tillage system must meet (329) Residue and Tillage Management - No-Till or (345) Residue and Tillage Management Reduced Till each year except when terminating a perennial sod.
- 328 can be planned and contracted in conjunction with 340 (Cover Crops). For example, utilize the multi-species cover crop scenario after small grain harvest.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes of NRCS site inspection
- Records provided by participant

199 Conservation Plan Conservation Planning Activity (CPA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
199	Low Complexity Plan, <200 acres	NO	$3,129.36			
199	Low Complexity Plan, 200-1,000 acres	NO	$4,588.05			
199	Low Complexity Plan, >1,000 acres	NO	$6,088.14			
199	Medium Complexity Plan, <200 acres	NO	$4,588.05			
199	Medium Complexity Plan, 200-1,000 acres	NO	$6,088.14			
199	Medium Complexity Plan, >1,000 acres	NO	$7,411.69			
199	High Complexity Plan, <200 acres	NO	$6,088.14			
199	High Complexity Plan, 200-1,000 acres	NO	$7,411.69			
199	High Complexity Plan, >1,000 acres	NO	$8,558.70			
199	Small Farm - less than or equal to 10 acres	NO	$2,449.86			
199	Urban Farm - 0.5 acres or less	NO	$1,958.72			

Practice Scenario applicable to ranking pools:	
Conservation Planning Activity	

Planning Requirements:

- A "Conservation Planning Activity" documents client objectives, benchmark (current) conditions, resource concerns, alternative actions, the evaluation of alternative actions, and the client's preferred alternative.
- The TSP will complete conservation planning steps 1 – 7 of the NRCS 9 Step planning process as outlined in the National Planning Procedures Handbook (NPPH). The steps identify problems and opportunities (step 1), determine objectives (step 2), include inventory and analyze resources (steps 3 and 4), formulate and evaluate alternatives (steps 5 and 6) and document client's preferred alternative(s) (step 7).
- Select the appropriate scenario based on the following:
    - Select '**Low Complexity**' if the planning land unit(s) area involves ONE land use and ONE agricultural enterprise.
    - Select '**Medium Complexity**' if the planning land unit(s) area involves ONE land use with TWO agricultural enterprise, or TWO land uses with ONE agricultural enterprise (ex: farmstead and cropland used for a dairy enterprise).
    - Select '**High Complexity**' if the planning land unit(s) area involves ONE land use with THREE or more agricultural enterprises, TWO land uses supporting TWO or more agricultural enterprises, or THREE or more land uses and any number of enterprises.
    - Use '**Small Farm**' if the planning land unit(s) area involves combinations of specialty crops, small fruits, tree and vine crops, and small livestock enterprises on less than or equal to 10 acres.
    - Use '**Urban Farm**' if the planning land unit(s) area involves combinations of specialty crops, small fruits, tree and vine crops, and small livestock enterprises on ½ acre or less, within a landscape predominated by residential, commercial, industrial, and transportation uses.

Implementation Requirements:

- The TSP will maintain an ongoing record of CPA related discussions with the client. The TSP will document on conservation six notes (CPA-6) or other format, the client objectives, dates of assistance, all parties present, notes of significant assistance provided, alternatives considered, and decisions reached. Any correspondence between the TSP and the client related to the development of the CPA will be included in the record.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national CPA 199 deliverables, including but not limited to:
    - Conservation Assistance notes/correspondence
    - Maps
    - Conservation Plan
    - Resource Inventory and Assessment Documentation
- The plan must meet the NRCS planning criteria for one or more resource concerns.

138 Conservation Plan Supporting Organic Transition Conservation Planning Activity (CPA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
138	Conservation Plan Supporting Organic Transition CAP Crops AND Livestock	NO	$ 4,687.77			
138	Conservation Plan Supporting Organic Transition CAP Crops OR Livestock	NO	$ 4,000.23			
138	Transition to Organic- Crop and Livestock, High Complexity	NO	$6,989.36			
138	Transition to Organic- Crop and Livestock, Low Complexity	NO	$4,687.77			
138	Transition to Organic- Crop, High Complexity	NO	$4,687.77			
138	Transition to Organic- Crop, Low Complexity	NO	$4,062.74			
138	Transition to Organic-Livestock, High Complexity	NO	$6,676,84			
138	Transition to Organic-Livestock, Low Complexity	NO	$4,375.26			

Practice Scenario applicable to ranking pools:	National Organic Initiative

Planning Requirements:

- Must be developed to assist owners/operators in taking voluntary actions to meet the National Organic Program (NOP) regulations for organic certification related to addressing natural resource concerns for soil, water, wetlands, woodlands and wildlife.
- A "Conservation Planning Activity" documents client objectives, benchmark (current) conditions, resource concerns, alternative actions, the evaluation of alternative actions, and the client's preferred alternative.
- The TSP will complete conservation planning steps 1 – 7 of the NRCS 9 Step planning process as outlined in the National Planning Procedures Handbook (NPPH). The steps identify problems and opportunities (step 1), determine objectives (step 2), include inventory and analyze resources (steps 3 and 4), formulate and evaluate alternatives (steps 5 and 6) and document client's preferred alternative(s) (step 7).
- Select the appropriate scenario based on the following:
    - Select '**High Complexity**' if the planning land unit(s) area involves a crop production system more complex based on site features, large acreage, specialty crops, irrigation, orchard vineyards.
    - Otherwise select '**Low Complexity**'.
- Organic Transition CPA is NOT a requirement to participate in the Organic Initiative for implementation practices through a separate contract.

Implementation Requirements:

- The TSP will maintain an ongoing record of CPA related discussions with the client. The TSP will document on conservation six notes (CPA-6) or other format, the client objectives, dates of assistance, all parties present, notes of significant assistance provided, alternatives considered, and decisions reached. Any correspondence between the TSP and the client related to the development of the CPA will be included in the record.
- Select TSP from NRCS Registry certified for this CPA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national CPA 138 deliverables, including but not limited to:
    - Conservation Assistance notes/correspondence

- Maps
- Conservation Plan
- Resource Inventory and Assessment Documentation

- The plan must meet the planning criteria for applicable resource concerns.

656 Constructed Wetland

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
656	Constructed Wetland, Dense Planting	AC	$8,882.38			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	MRBI, NWQI, WLEB
EQIP Specialty Crop	

Planning Requirements:

- This practice may only be scheduled after consultation and approval from the NRCS area and state office technology, engineering, and program staff.
- See IN FOTG Standard 656 for considerations and requirements.
- Acres implemented are only those where hydrology restoration will occur and not any buffer areas.
- Schedule (587) Structure for Water Control as needed

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-builts

332 Contour Buffer Strips

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
332	Introduced Species, Forgone Income (Organic and Non-organic)	AC	$419.17			
332	Native Species, Forgone Income (Organic and Non-organic)	AC	$446.32			

Practice Scenario applicable to ranking pools:	National Organic Initiative
GLRI Nearshore Health	MRBI, NWQI
Climate Smart	

Planning Requirements:

- Seeding mixes will be developed using the Indiana General Seeding Calculator found in FOTG Section IV.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection.

330 Contour Farming

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
330	Contour Farming	AC	$7.54			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
MRBI, NWQI	National Organic Initiative

Planning Requirements:

- See IN FOTG Standard 330 for considerations and requirements.

Implementation Requirements:

- Eligible for only one payment per contract
- Practice Lifespan: 5 years

Documentation for Payment:

- Assistance notes from visual inspection.

334 Controlled Traffic Farming

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
334	Controlled Traffic	AC	$41.01			

Practice Scenario applicable to ranking pools:	WLEB

Planning Requirements:

- See IN FOTG Standard 334 for considerations and requirements.

Implementation Requirements:

- NOTE: Though this practice is only offered in targeted initiative areas, it is available at a lower rate through CSP statewide.
- Payment is based on wheel traffic coverage achieved. The resulting system must be at or below 33% wheel traffic (for all field operations including planting, spraying, fertilizer applications and harvest) to be eligible for payment.
- Wheel traffic calculation must include grain heads to get adequate environmental benefits
- Producer may have all technology (i.e., RTK) OR equipment (i.e., all equipment widths capable of controlled traffic) but NOT BOTH, and producer will combine them into a Controlled Traffic Farming system and not drive randomly across the field.
- The Ohio Controlled Traffic Farming Design Tool (or similar tool) must be used to show the reduction in wheel track/coverage as defined below:
    - Implementation of modification must result in a decrease in total wheel /track traffic by at least 12%. This is the equivalent of a modification to the tractor wheel/track to match the combine tracks.
- Eligible for only one payment per contract
- Practice Lifespan: 5 years

Documentation for Payment:

- Geo-referenced map and receipts for RTK equipment and/or equipment modifications as applicable.
- Completed Ohio Controlled Traffic Farming Design Tool (or similar tool).

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
340	Winter-Kill Cover Crop Species	AC	$34.34			
340	Cover Crop – 1 acre or less	AC	$371.64			
340	Cover Crop – Basic (Organic and Non-Organic)	AC	$52.13			
340	Cover Crop – Multi-Species (Organic and Non-Organic)	AC	$63.79			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Climate Smart
EQIP Specialty Crop	RCPP-Big Pine
GLRI Nearshore Health	
MRBI, NWQI, WLEB	Wildlife Habitat Pool

Planning Requirements **Winter-Kill**:

- To maximize fall growth, it is strongly recommended to inter-seed the cover crop in this scenario 4 weeks prior to first average Frost Date for that location.
    - Seeding methods such as aerial or high-boy seeders are recommended to achieve this.
- This scenario can also be used for drilled cover crops after normal crop harvest if the techniques described in the basic scenario are not used.
- Follow cover crop seeding windows to select the appropriate cover crop species.
- Increase seeding rate for aerial and broadcast seeding methods above drilled rates as appropriate
- Delayed seeding until spring of this scenario will have a minimum of 30 days of growth from emergence, and either 1500 pounds of dry matter, or ten inches of growth before termination and cannot be used for the resource concerns of weed control or compaction, and the subsequent crop must now be no-tilled; otherwise reschedule for the following year. Please notify technology staff when used.
- Refer to the Indiana Cover Crop Seeding Tool for more information.

Planning Requirements **Basic**:

- This scenario will be used to promote seeding methods and seeding windows that are earlier than drilling after typical crop harvest. The goal is to maximize above and below ground vegetative growth and promote over wintering success for species that need to be seeded earlier in the fall.
- There are two seeding options available for this scenario:
    - Using cover crop seeding methods that places cover crop seed on the soil surface prior to cash crop harvest. Seeding methods such as broadcast application using a highboy seeder or aerial application using a plane or helicopter are examples of acceptable seeding methods.
    - Planting early season crop hybrids to allow for drilled cover crop seeding after harvest. Early season crop hybrids are seeded at the same time as typical crop hybrids for your region but are earlier maturity groups in soybeans or shorter day hybrids in corn. Consider reducing soybeans a half to full maturity group and reducing corn hybrids by 5 days. Be aware of typical maturities used in your region and adjust accordingly. This will be a case-by-case decision with each contract holder.
- Increase seeding rate for aerial and broadcast seeding methods above drilled rates as appropriate
- Follow cover crop seeding windows to select the appropriate cover crop species.
- This scenario requires at least 50% winter hardy species.
- Recommend 10% oats in the mix to provide protection for over wintering species

- Wheat will only be used for sheet/rill and wind erosion resource concerns. Other grass monocultures with stronger, more robust, root systems, such as cereal rye, annual rye grass, etc. or a cover crop mix of at least two species are required for soil health related resource concerns.
- This basic scenario will not be terminated (herbicide or tillage) until typical field operations in the spring of the next cropping season. 340 is allowed in conjunction with CPS 345.
- Delayed seeding until spring of this scenario will have a minimum of 30 days of growth from emergence, and either 1500 pounds of dry matter, or ten inches of growth before termination and cannot be used for the resource concerns of weed control or compaction, and the subsequent crop must now be no-tilled; otherwise reschedule for the following year. Please notify technology staff when used.
- If planting corn in this system, it is recommended that a minimum of 50 lbs./ac of N be applied just prior to or during planting and observe early corn growth to determine if early sidedress of N is needed as well.
- Refer to the Indiana Cover Crop Seeding Tool for more information.

Planning Requirements **Multi-Species**:

- This scenario may only be used for diverse multi-species cover crops planted after a summer crop is harvested (i.e., wheat or other cereal grains, or vegetable crops harvested early enough to allow for the seeding of a warm season grass in the mix). Corn silage is not considered a summer harvested crop.
- It is unlikely this scenario will be used for three consecutive years on the same land unit but may be used in combination with other 340 scenarios in other years.
- A minimum of 5 species is required for this scenario. This will include a warm season grass and warm season broadleaf, a legume, a brassica and an overwintering species.
- This multi-species scenario will not be terminated (herbicide or tillage) until typical field operations in the spring of the next cropping season. 340 is allowed in conjunction with CPS 345.
- If planting corn in this system, it is recommended that 30-50 lbs./ac of N be applied just prior to or during planting.
- Planner must provide information and discuss allowable seeding dates for warm season cover crop species, equipment set up for seeding method, nitrogen needs and application timing for the next crop in rotation, planting the following spring into high biomass residue.
- Refer to the Indiana Cover Crop Seeding Tool for more information.

Planning Requirements for **1 Acre or less** scenario:

- This scenario is for cover crops seeded on less than one acre and will be planned at a minimum extent of 0.1 acre for contracting purposes.
    - Ex: Participant wishes to implement 340 within their high tunnel. The high tunnel is approximately .05 acres. The 340 would be contract at .1 acres.

Planning Requirements for Using 340 in **Wildlife Habitat Ranking Pools**:

- 340 may only be used in the wildlife ranking pools if all the following requirements are met:
    - It will be used for the primary purpose of weed suppression and breaking pest cycles in conjunction with the establishment of a wildlife habitat practice.
    - The current land use must be expiring CRP, existing cropland or endophyte fescue cover, smooth bromegrass cover, reed canarygrass cover or other difficult to control species as approved by the area and state office, planned for wildlife habitat establishment.
    - Cover crop species should be selected to ensure adequate cover from the time the last crop is harvested until the wildlife habitat vegetation is seeded (e.g., consider overwintering cover crops for spring seedings, winter kill for dormant seedings.)
    - If CPS 315 is used as site prep for a wildlife habitat planting, 340 may also be used but may only be scheduled to occur after 315 site prep and before the habitat planting.
    - Wildlife planting scenarios include site preparation costs to terminate or clip current cover. No separate payments will be issued.

- An NRCS or partner biologist must approve of the cover crop species mix prior to planting. Annual ryegrass and other cover crop species that pose a risk of persistence after the habitat planting takes places must not be used.

Implementation Requirements:

- Contract modifications to substitute either the basic or multi-species for the winter-kill scenario is not within program policy.
- Eligible for up to three payments per contract with no other required supporting practices.
- Three payments or less encouraged for producers initially trying cover crops.
- Eligible for up to (four or) five payments per contract if a conservation cropping system (All of the following: 328, 329, 590 enhanced or w/ manure, buffers along all water bodies) is implemented for all years the cover crop is implemented.
- The conservation cropping system must be scheduled in the application or documented as actively being applied and scheduled in the conservation plan for all four or five years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Assistance notes from NRCS site inspection
- IN Cover Crop Seed Calculator

342 Critical Area Planting

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
342	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	AC	$175.63			
342	Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	AC	$435.08			
342	Small Area Disturbance	kSqFt	$4.68	$203.86		

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Seeding mixes will be developed using the Indiana General Seeding Calculator found in FOTG Section IV.
- Use the Native or Introduced Vegetation – Normal Tillage scenarios as the seeding component in support of practices where seeding only is required.
- Use the Moderate Grading scenario where seeding and grading with a dozer is required and not already completed as part of a practice it is supporting. Example: Additional seeding outside the top width of the 412 Grassed Waterway would fall under the Normal Tillage scenario, whereas shaping a gully with a dozer and seeding would fall under the Moderate Grading.
- The small area disturbance scenario is calculated in kSqFt or kilo square feet or 1000 SQ FT.
    - Ex: If there is a 30,000 sf. area, the planner would schedule 30 (30,000/1000sf).
- Lime and fertilize according to the Indiana Seeding Guidelines.
- Per the FOTG standard, 484 Mulch is required with any critical area planting scenario.
- Critical area planting costs do not include mulch and it must be scheduled separately.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection
- Documentation of mulch use.

605 Denitrifying Bioreactor

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
605	Denitrifying Bioreactor, with liner, no soil cover*	CU YD	$59.89			
605	Denitrifying Bioreactor, with liner and soil cover*	CU YD	$70.81			
605	Denitrifying Bioreactor Recharge*	CU YD	$51.70			
605	Denitrifying Bioreactor with Automated Water Control Structures*	CU YD	$72.78			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
NWQI, MRBI, WLEB	

Planning Requirements:

- This practice requires an on-site engineering review and cost-estimate by a NRCS Engineer prior to being added to an application.
- Payment unit is per cubic yard of wood chips in-place volume.
- New bioreactor scenarios include Water Control Structure and Subsurface Drain components.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

356 Dike or Levee

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
356	Dike with Core Trench	CU YD	$5.54			

Practice Scenario applicable to ranking pools:	MRBI
NWQI	WLEB

Planning Requirements:

- Contact the Area Engineer for assistance in planning this practice.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

362 Diversion

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
362	Diversion – Small, <2 CY/FT	FT	$2.64			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- See IN FOTG Standard 362 for considerations and requirements.
- Use the (342) Critical Area Planting, Small Area Disturbance as the seeding component in support of practices where seeding is required.
- Select Practice Narrative '03N' for Diversions scheduled to divert discharge of a waste storage facility; Select Practice Narrative '01N' for other scheduled Diversion practices in Conservation Desktop

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
554	<=10 acres per Structure with Training*	AC	$11.35			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	NWQI, WLEB
MRBI	

Planning Requirements:

- Payment for this practice is per acre of drainage area in the offered land unit where water levels are controlled according to the 554 standard, including drainage areas greater than 10 acres.
- Plan 587 Structure for Water Control for control structures and 606 Subsurface Drain for secondary mains to create management zones as applicable.
- The area controlled is to be estimated to include an area 2 feet vertically above ground elevation at the upper most structure.

Implementation Requirements:

- Eligible for up to three years of payment per contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Participant records of DWM activity when water table was adjusted.

164 Drainage Water Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
164	1 to 2 Designs – Tile Map Available	NO	$5,187.86			
164	3 or More Designs – Tile Map Available	NO	$8,143.79			
164	1 to 2 Designs – No Tile Map Available	NO	$7,023.76			
164	3 or More Designs – No Tile Map Available	NO	$8,805.70			

Practice Scenario applicable to ranking pools:	
Design and Implementation Activity	GLRI Nearshore Health

Planning Requirements:

- The objective of drainage water management (DWM) is to control soil water table elevations and the timing of water discharges from subsurface or surface agricultural drainage systems, allowing the opportunity for crop use of the subsurface water and nutrients.
- Under the "No Tile Map Available" scenarios, producer does not have a map of the current subsurface drainage system. Existing tile will be located and considered as part of the DIA.
- Producers are not required to combine all the land they wish to enroll under a single Design. Two or more Designs may be necessary if there is an adequate technical justification. However, enrolled land should be grouped into as few Designs as necessary to capture similar soil types, cropping systems and/or drainage systems.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national CPA 164 deliverables
- Submit to Scott Wagner (scott.wagner@usda.gov), Agricultural Engineer and Area Engineer for review

373 Dust Control on Unpaved Roads and Surfaces

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
373	Hygroscopic Salt Application – 1x per Year	Sq Yd	$0.91			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	

Planning Requirements:

- The treatment of unpaved roads and surfaces to reduce dust (airborne particulate matter) produced by vehicle and machinery traffic or wind action.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Engineering As-Builts

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
647	Disking	AC	$74.20			
647	Strip Spraying	AC	$47.45			

Practice Scenario applicable to ranking pools:	WLFW Monarch Butterfly
EQIP General	National Organic Initiative
EQIP Specialty Crop	
GLRI Nearshore Health, GLRI Invasive Species	WLFW Northern Bobwhite
WLEB	Wildlife Habitat Pool

Planning Requirements:

- See the 647 Implementation Requirements (IR) or Job Sheet for additional implementation guidance.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Lands being grazed or used for hay production are NOT eligible for payment.

- Strip disking of riparian buffers, grassed waterways, or any areas planted to woody vegetation will NOT be eligible for payment.
- Practice Lifespan: 1 year
- Up to 3 payments per contract but should be scheduled on different acres each year.

Documentation for Payment:

- Assistance notes from visual inspection

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
201	Data Collect Surface YR1-QAPP	EA	$ 19,647.48			
201	Data Collect Surface Year 1 - NO QAPP	EA	$ 14,124.6			
201	Data Collect Surface YR1 plus - NO QAPP	EA	$13,868.37			
201	Data Collect Surface Last Year	EA	$16,910.01			
201	Data Collect Tile YR 1-QAPP	EA	$38,475.47			
201	Data Collect Tile YR 1 plus - NO QAPP	EA	$32,696.35			
201	Data Collect Tile Last Year	EA	$35,737.99			
201	Data Collect Surface Year 1-QAPP with two treatment Sites	EA	$26,917.87			
201	Data Collect Surface Year 1+ less QAPP (pre-install information) with two treatment sites	EA	$19,770.02			
201	Data Collect Surface Last Year with two treatment sites	EA	$24,332.4			
201	Data Collect Tile Year 1+ less QAPP (pre-install information) with two treatment sites	EA	$46,291.11			
201	Data Collect Tile Last Year with two treatment sites	EA	$50,853.57			

Practice Scenario applicable to ranking pools:

- Requires national funding and State Office approval

Planning Requirements:
Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copies of collected data and applicable analysis

202 Edge of Field Water Quality Monitoring-System Installation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
202	System Installation-Surface	EA	$15,348.32			
202	System Installation-Surface Cold Climate	EA	$15,727.33			
202	System Installation-Tile	EA	$22,233.7			
202	System Installation-Tile Cold Climate	EA	$22,233.7			
202	System Installation-Above And Below	EA	$21,478.46			
202	System Installation-Above And Below cold climate	EA	$23,982.44			
202	System Installation-Retrofit 1	EA	$1,878.51			
202	System Installation-Retrofit 2	EA	$5,856.52			
202	System Installation-Retrofit 3	EA	$7,432.52			
202	System Installation-Retrofit Above and Below 1	EA	$2,547.93			
202	System Installation-Retrofit Above 2	EA	$10,368.2			
202	System Installation-Retrofit Above 3	EA	$13,096.59			

Practice Scenario applicable to ranking pools:

- Requires national funding and State Office approval

Planning Requirements:
Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Monitoring System Installation Report

368 Emergency Animal Mortality Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
368	In-House Composting	AU	$73.89	$25,000		
368	Burial	AU	$76.14	$25,000		
368	National Emergency Shallow Burial of Swine or Cattle	AU	$120.50	$25,000		
368	Outside Windrow Composting	AU	$545.99	$25,000		
368	Forced Air Incineration	AU	$214.88	$25,000		
368	Disposal At Landfill or Render	Pound	$0.05	$25,000		

Practice Scenario applicable to ranking pools:	
EQIP General	

Planning Requirements:

- Use practice narrative code 00N for scenarios: In-House Composting and Outside Windrow Composting.
- Use practice narrative code 01N for scenario Forced Air Incineration
- Use practice narrative code 02N for scenario Burial and Shallow Burial
- Use practice narrative code 03N for scenario Disposal at Landfill or Render
- This practice is only available for non-disease related mass mortality situations.
- Payment based on number of 1,000 lbs Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs * 150 lbs/hog) / 1000 lbs / AU = 420 AU.
- The 368 standard is not eligible to be used for disease related, mass mortality situations. The USDA Animal and Plant and Health Inspection Service (APHIS) will lead any efforts to determine how to address disease related, mass-mortality. Field Office must follow all NRCS Bio-security protocols when assisting producers who have reported disease-related mass mortality.
- Max Payment Cap is per disposal instance. A disposal instance is the actions needed to dispose of the animals from a specific location at a specific time.
- Use of the National Emergency Shallow Burial of Swine or Cattle scenario is not limited to a Nationally declared Emergency.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Engineering As-Builts

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
374	Heating – Radiant Systems	kBTU/HR	$9.69			Y
374	Controller - Multi-Function, Single Environmental Condition	Each	$1,298.19			Y
374	Motor > 1 and < 10 HP Electric Motor Upgrade	Horsepower	$123.95			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative

Planning Requirements:

- **Heating – Radiant Systems**: Payment is only authorized for replacing current heating systems with a new system that meets the minimum recommendations in the energy audit and result in an energy savings.

Implementation Requirements:

- NRCS will not provide design or TSP payment for design services for this practice. A design and installation checkout must be provided by a P.E. or other professional and according to the practice Statement of Work at the expense of the participant.
- Payment for 374 is eligible only as identified through a completed On-Farm Energy Audit that meets the Type 2 Audit criteria established in ASABE S612 (July 2009) Performing On-farm Energy Audits standard to achieve an energy savings. A CEMA 228 (AgE-CEMA) meets these criteria and can be scheduled. If needed, applicant may apply for a separate DIA 120 (AgE-DIA) to be implemented in the same year.
- Practice Lifespan: 10 years

Documentation for Payment:

- A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
- Product and/or installation receipts.
- Assistance notes from field verification of installation.
- Documentation from audit recommending practice amount, type, and location.
- Submit to state energy contact, Scott Wagner (scott.wagner@usda.gov) and/or Area Engineer for approval.
- AgEMP, AgEDP, or other energy audit with recommendation and/or design for installed components.

672 Energy Efficient Building Envelope

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
672	Building Envelope - Attic Insulation	SQ FT	$0.58			Y
672	Building Envelope - Wall Insulation with Foam Insulation	SQ FT	$2.41			Y
672	Building Envelope - Insulated Curtain Upgrade	SQ FT	$1.99			Y
672	Building Envelope - Sealant	FT	$1.31			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative

Planning Requirements:

- Minimum thickness and R Value of insulation to be newly installed or installed in addition to existing insulation is determined by the energy audit recommendation.

Implementation Requirements:

- NRCS will not provide design for this practice. A design and installation checkout must be provided by a P.E., or other professional and according to the practice Statement of Work at the expense of the participant.
- Payment for 672 is eligible only as identified through a completed On-Farm Energy Audit that meets the Type 2 Audit criteria established in ASABE S612 (July 2009) Performing On-farm Energy Audits standard to achieve an energy savings. A CEMA 228 (AgE-CEMA) meets these criteria and can be scheduled. If needed, applicant may apply for a separate DIA 120 (AgE-DIA) to be implemented in the same year.
- Practice Lifespan: 10 years

Documentation for Payment:

- A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
- Product and/or installation receipts.
- Assistance notes from field verification of installation.
- Documentation from audit recommending practice amount, type, and location.
- Submit to state energy contact, Scott Wagner (scott.wagner@usda.gov) and/or Area Engineer for approval.
- AgEMP, AgEDP, or other energy audit with recommendation and/or design for installed components

670 Energy Efficient Lighting System

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
670	Lighting – LED	EA	$9.51			Y
670	Lighting – Outdoor or High Bay Bulb Replacement	EA	$94.65			Y
670	Automatic Controller System	EA	$374.84			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative

Planning Requirements:

- Lighting payment is only authorized for replacing current non-LED bulbs with LED bulbs that meet the minimum recommendations in the energy audit and result in an energy savings.

Implementation Requirements:

- NRCS will not provide design for this practice. A design and installation checkout must be provided by a P.E., or other professional and according to the practice Statement of Work at the expense of the participant.
- Payment for 670 is eligible only as identified through a completed On-Farm Energy Audit that meets the Type 2 Audit criteria established in ASABE S612 (July 2009) Performing On-farm Energy Audits standard to achieve an energy savings. A CEMA 228 (AgE-CEMA) meets these criteria and can be scheduled. If needed, applicant may apply for a separate DIA 120 (AgE-DIA) to be implemented in the same year.
- Practice Lifespan: 10 years

Documentation for Payment:

- A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
- Product and/or installation receipts
- Assistance notes from field verification of installation
- Documentation from audit recommending practice amount, type, and location
- Submit to state energy contact, Scott Wagner (scott.wagner@usda.gov) and/or Area Engineer for approval.
- AgEMP, AgEDP, or other energy audit with recommendation and/or design for installed components

592 Feed Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
592	Poultry/Layer Operation	AU	$18.11	$1,500	$1,725	Y
592	Livestock	AU	$1.47	$1,500	$1,725	Y

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative
WLEB	

Planning Requirements:

- Participant must have a Feed Management plan, developed by a qualified individual, which meets the 108 CAP (archived) or 158 DIA criteria to reduce one of the following:
    1. Nitrogen and/or phosphorus loads
    2. Feed, water and/or wastewater use
    3. Overall manure production and/or improve air quality
- Animal Units (AU) for the payment will be determined by the types, numbers, and weights of animals present at any one time at the location or facility.
- Payment based on number of 1,000 lbs. Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs * 150 lbs./hog) / 1000 lbs. / AU = 420 AU.

Implementation Requirements:

- NRCS will not provide Technical Assistance.
- Eligible for up to three payments per contract. Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payment limitation.
- Practice Lifespan: 1 year

Documentation for Payment:

- Feed Management Plan AND
- Assistance notes that documenting that plan was followed.

158 Feed Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
158	Feed Management Plan	EA	$3,116.74			Y

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A feed management plan is a farm-specific plan developed for a client, to document control of the quantity and quality of available nutrients, feedstuffs, and/or additives fed to livestock and poultry.
- A Design and Implementation Activity (DIA) is the planning and designing of a single practice or any combination of structural, vegetative, or land management practices and management activities to treat one or more resource concerns.
- The DIA documents the verification of the client's conservation plan, and the development of the implementation requirements or plans and specifications for each planned conservation practice.

Implementation Requirements:

- The TSP will maintain an ongoing record of DIA related discussions with the client. The TSP will document on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence between the TSP and the client related to the development of the DIA will be included in the record.
- Select TSP from NRCS Registry certified for this DIA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets National DIA 157 deliverables, including but not limited to:
    - Cover page
    - Conservation Assistance notes/correspondence
    - Maps
    - Planning
    - Documentation
    - Implementation Requirements
- The activity will meet the NRCS planning criteria for one or more of the applicable resource concerns.

382 Fence

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
382	Permanent High Tensile, Minimum 4 strand, Single H brace	FT	$1.65			Y

Practice Scenario applicable to ranking pools:	WLFW Monarch Butterfly
EQIP General	National Organic Initiative
EQIP Specialty Crop	
GLRI Nearshore Health	WLFW Northern Bobwhite
MRBI	MRBI, NWQI, WLEB

Planning Requirements:

- Only eligible if used to exclude livestock under (472) Access Control, for Waste Storage systems (313) / Lagoons (359) or as part of a grazing system with an approved grazing plan.
- **A grazing plan or CAP 110 (archived) or DIA 159, that meets the Prescribed Grazing (528) standard, is required for internal fence that is part of the planned grazing system.**
- **See CPM 440 Part 530.403 for additional information about EQIP Planning.**
- **EQIP assistance is not available to replace existing exterior (boundary, property line or perimeter) fence, except:**
    - Exterior (boundary, property line or perimeter) fence is eligible on expiring CRP land to establish a grazing operation, or on land to protect restore, develop, or enhance habitat for wildlife by excluding livestock from sensitive areas (using 472 Access Control).
    - Exterior (boundary, property line or perimeter) fence is eligible when it is an integral part of a conservation management system, such as a planned grazing system (under a Prescribed Grazing Plan) **which converts any cropland land units with an existing resource concern, to a managed grazing system**.
- Fence for creating paddocks/divisions in a new or existing managed grazing systems (under a Prescribed Grazing Plan) is eligible for both new and replacing fence to address a resource concern.
- **Replacement** paddocks/divisional (internal) **fence** should only be planned according to a prescribed grazing plan to improve grazing efficiency (i.e., it is an improvement over the current paddock layout or required to meet resource concern.)
- Payment rate is for all permanent fence types that meet or exceed the IN 382 Fence standard. High tensile, woven wire, barbed wire, etc. are eligible if they are designed and constructed to the 382 standard.
- Temporary fence is not eligible for payment under this scenario.
- Fence is eligible around crop fields for grazing crop residue or annuals if:
    - A complete soil heath system will be implemented for three consecutive years (329 PLUS 590 basic precision PLUS 340). The grazed year must be a multi-species annual cover crop mix (minimum of 5 species) and planted before Aug 15 for the fenced area (ideal after wheat) and meet the 340 standard. No supplemental feeding is allowed on the fenced field. A prescribed grazing plan is required to graze any annuals, crop residue, or cover crops, or combination on cropland.
    - A soil health cropping system will be implemented for five or more consecutive years (329 PLUS 340 PLUS 328) with three years or more of perennial forages in the rotation.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Fence As-Builts

386 Field Border

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
386	Field Border, Introduced Species, Forgone Income	AC	$322.66			
386	Field Border, Native Species, Forgone Income	AC	$466.47			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Nearshore Health	
WLFW Monarch Butterfly	MRBI, NWQI, WLEB
Climate Smart	

Planning Requirements:

- Seeding mixes will be developed using the Indiana General Seeding Calculator found in FOTG Section IV.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

393 Filter Strip

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
393	Filter Strip, Native Species, Forgone Income	AC	$524.28			
393	Filter Strip, Introduced Species, Forgone Income	AC	$474.15			

Practice Scenario applicable to ranking pools:	MRBI, NWQI, WLEB
EQIP General	GLRI Nearshore Health
EQIP Specialty Crop	National Organic Initiative
Climate Smart	

Planning Requirements:

- Seeding mixes will be developed using the Indiana General Seeding Calculator found in FOTG Section IV.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

394 Firebreak

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
394	Vegetated Permanent Firebreak	FT	$0.12			
394	Constructed Handline	FT	$0.08			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	WLFW Northern Bobwhite
GLRI Nearshore Health	Wildlife Habitat Pool
WLFW Monarch Butterfly	WLEB

Planning Requirements:

- A prescribed burn plan is not required if a vegetated firebreak is being planted concurrently with the establishment of habitat. However, a wildlife biologist or burn plan specialist should be consulted on the placement of the firebreaks.
- Seeding mixes will be developed using the Indiana Firebreak Calculator found in FOTG Section IV.
- Constructed handlines are typically used with the dominant fuel being hardwood leaf litter. The firebreak will be installed with hand tools such as broom rakes and/or leaf blowers.
- Bare-ground (disked) firebreak scenario is not offered, however a bare-ground firebreak is often planned and combined with vegetated firebreaks to meet a total minimum needed with to contain the fire.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

144 Fish and Wildlife Habitat Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
144	Fish & Wildlife Habitat DIA	NO	$2,344.42			
144	Fish & Wildlife Habitat DIA (2 Land Uses)	NO	$2,865.40			
144	Fish & Wildlife Habitat DIA (3 or more Land Uses)	NO	$3,386.38			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A fish and wildlife habitat activity is a site-specific plan developed with a client who is ready to plan and implement conservation activities or practices with the criteria of fish and wildlife habitat.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

Copy of TSP completed plan that meets national DIA 144 deliverables

511 Forage Harvest Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
511	Improved Forage Quality	AC	$4.57			Y

Practice Scenario applicable to ranking pools:	MRBI, NWQI
National Organic Initiative	WLFW Monarch Butterfly

Planning Requirements:

- Soil fertility sampling must be completed.
- Forage Harvest Management is only available for forage that is mechanically harvested.
- Eligible if both of the following are not currently occurring but will be occurring:
  - A forage sample of each cutting of hay will be taken.
  - Scouting of the re-growth prior to each cutting will occur.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from field verification
- Soil fertility report and recommendations
- Scouting Records
- Forage sample tissue analysis results
- Completed 511 Implementation Requirements (IR)

106 Forest Management Plan Conservation Planning Activity (CPA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
106	FMP ≤ 20 acres	NO	$730.54			
106	FMP 21-100 acres	NO	$913.18			
106	FMP 101-250 acres	NO	$1,582.84			
106	FMP 251-500 acres	NO	$2,069.87			
106	FMP 501-1000 acres	NO	$2,556.90			
106	FMP > 1000 acres	NO	$3,287.44			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative

Planning Requirements:

- A CPA 106 Forest Management Plan (FMP) documents client objectives, benchmark (current) conditions, resource concerns, alternative actions, the evaluation of alternative actions, and the client's preferred alternative. The CPA 106 addresses one or more resource concerns based on an inventory of land where forestry-related conservation activities or practices will be planned and applied.
- Applicants are not required to enroll their entire operation. Typically, all forestland owned by the client is enrolled into one application. However, NRCS may contract more than one CPA 106 Plan for an applicant with good justification. If the applicant wishes not to enroll all forest acres and/or the request for more than one CPA 106 Plan, then document the reason and contact Dan Shaver, Indiana NRCS State Forester, to review the circumstances.
- Open fields that will be planted to trees can be included (but not required) with other forestland in a CPA 106 plan.
- Only Technical Service Providers (TSPs) listed on the NRCS Registry website for Indiana can write these plans. (https://nrcs-sites.secure.force.com/FindaTSP)
- The CPA 106 and DIA 165 can be scheduled together or separately depending on the producer's needs.
- Note: The 106 Forest Management Plan is not considered a Forest Harvest Plan, but should complement the needs for a harvest, if desired by the land user. Additional information above the 106 Plan's intended purpose may be an additional cost to the participant.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:
Signed copy of TSP completed plan that meets national CPA 106 deliverables

165 Forest Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
165	DIA ≤ 20 acres	NO	$608.79			
165	DIA 21-100 acres	NO	$1,034.94			
165	DIA 101-250 acres	NO	$1,643.72			
165	DIA 251-500 acres	NO	$2,496.02			
165	DIA 501-1000 acres	NO	$2,983.05			
165	DIA > 1000 acres	NO	$3,591.83			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative

Planning Requirements:

- A DIA 165 is the planning and implementation of a single practice or any combination of vegetative or forest management practices to treat one or more resource concerns.
- Only practices accepted by the producer will be planned for in the DIA 165. However, NRCS may contract more than one DIA 165 for an applicant with good justification. If the applicant wishes not to enroll all forest acres and/or the request for more than one DIA 165, then document the reason and contact Dan Shaver, Indiana NRCS State Forester, to review the circumstances.
- Open fields that will be planted to trees can be included (but not required) with other forestland in a DIA 165.
- Only Technical Service Providers (TSPs) listed on the NRCS Registry website for Indiana can develop DIA 165s. (https://nrcs-sites.secure.force.com/FindaTSP)
- The CPA 106 and DIA 165 can be scheduled together or separately depending on the producer's needs.
- Note: The DIA 165 is not considered a Forest Harvest Plan, but should complement the needs for a harvest, if desired by the land user. Additional information above the DIA 165 intended purpose may be an additional cost to the participant.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Signed copy of TSP completed plan that meets national DIA 165 deliverables

666 Forest Stand Improvement

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
666	Forest Stand Improvement Light	AC	$95.14			
666	Forest Stand Improvement Medium	AC	$116.50			
666	Temporary Forest Openings, patch clearcuts*	AC	$305.88	$3,058	$3,058	

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Invasive Species	

Planning Requirements:

- If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CPA 106, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
- All forest plans, other than Forest Stewardship Plans and Tree Farm Plans (with the added IDNR DoF/NRCS Planning Sheet), must meet the CPA 106 FMP criteria.
- FSI Light payment is not authorized where the amount of work is less than 200 diameter inches, or less than 10 SQ FT of basal area/acre, or less than 30 grapevines/acre, or less than 10 crop trees released/acre, or less than 100 trees/acre removed (whichever is the least determining measurement). Note: FSI Light can still be used for all levels of thinning over the minimum for Light.
- FSI Medium payment is not authorized where the amount of work is less than 30 square feet per acre (or) Cut and/or kill less than 200 trees per acre (or) Release fewer than 21 crop trees per acre (grape vines must be killed on crop trees). The Medium scenario is useful for understory thinning to help regenerate oaks.
- The 666 Implementation Requirements (IR) or equivalent DNR Job Sheet may be used for providing the needed level of detail. (See below planning elements.)
- Planning Elements:
    - 666 FSI standards require both the pre- and post-treatment stand condition. This can be described in terms of crop trees per acre, basal area per acre, trees per acre, between-tree spacing, or by any other appropriate and professionally accepted density or stocking protocol.
    - If under the Wildlife Habitat Pool, planner must provide documentation that the criteria under 666 FSI standard- Wildlife Habitat purpose will be met, or practice planning is developed by a professional biologist.
- Locations for all Temporary Forest Openings will be confirmed by the State Wildlife Biologist or State Forester for sufficient surrounding Indiana bat habitat.

Implementation Requirements:

- Max Cap for “Temporary Forest Openings” scenario is per forest opening.
- Each forest opening (under “Temporary Forest Openings”) will be between 0.25 acres and 10 acres in size.
- Practice Lifespan: 10 years

Documentation for Payment:

- Bills for completion of work

- Assistance notes from NRCS field verification

655 Forest Trails and Landings

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
655	Shaping and Grading	FT	$0.42			
655	Water Bar Installation	EA	$50.25			

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative

Planning Requirements:

- If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CPA 106, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
- All forest plans, other than Forest Stewardship Plans and Tree Farm Plans (with the added IDNR DoF/NRCS Planning Sheet), must meet the CPA 106 FMP criteria.
- Payment is for areas with existing trails with resource concerns and only for the actual area needing treatment.
- Shaping and Grading Payment is per linear foot of trail requiring treatment. Assumes a 12-foot-wide trail on a relatively flat slope.
- Practice scenarios can overlap when Shaping and Grading is needed between water bars such as for construction of broad base dips.
- If needed, (327) Conservation Cover can be used as a supporting practice where seeding is required.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- 655 Forest Trails and Landings Implementation Requirements (IR) Assistance notes from NRCS site inspection

410 Grade Stabilization Structure

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
410	Rock Rip Rap Chute	CU YD	$59.25			
410	Grouted Rock Rip Rap Chute	CU YD	$91.48			
410	Pipe Drop, Smooth Steel or CMP, <1000 CY Earthfill	SQ FT	$12.99			
410	Open Flow Drop Spillway	SQ FT	$136.97			
410	Open Flow Drop Spillway-High Overfall or sheet pile	SQ FT	$208.34			
410	Concrete Drop Structure	CU YD	$709.08			
410	Side Inlet	FT	$68.19			
410	Panel Rock Drop Structures	SQ FT	$60.38			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- **Rock Rip Rap Chute and Grouted Rock Rip Rap Chute:** Cubic yards for grouted and non-grouted chute is based on riprap only and does not include bedding. Convert tons to CY by dividing by 1.5 (1 CY = 1.5 Tons rip rap) (Example: 100 tons riprap / (1.5 tons/CY) = 66.67 CY)
- **Pipe Drop, Smooth Steel or CMP (Corrugated Metal Pipe)**: Square feet unit is calculated by multiplying weir length X barrel length. (Example: 36 IN diameter riser with 40 FT barrel (pipe) is 3' X 3.14 X 40' = 377 SQ FT)
- **Open Flow Drop Spillway:** Includes aluminum toe wall drop structures. Square feet unit equals feet of weir X drop height.
- **Steel Sheet Pile Structure:** Square feet unit equals feet of weir X drop height.
- **Concrete Drop Structure**: Cubic yards is volume of concrete needed for structure.
- **Side Inlet:** Straight pipe structure. Unit is based on feet of pipe length.
- **Cattle Panel Structures:** Utilize the "Panel Rock Drop Structures" scenario. Square feet unit equals feet of weir X drop height.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

412 Grassed Waterway

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
412	<35 foot top width, crop season construction	AC	$3,277.27			
412	35-55 foot top width, crop season construction	AC	$3,430.26			
412	>55 foot top width, crop season construction	AC	$4,024.48			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Climate Smart
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- 412 Grassed Waterway includes the cost of seeding to the top width of each scenario. Schedule 342 Critical Area Planting for permeant seeding of areas outside of top width.
- Schedule (484) Mulching and/or (606) Subsurface Drain as appropriate.
- Only offering 3 scenarios, regardless of when grassed waterways are planned to be constructed.
- Scheduling temporary seeding for all disturbed areas left unvegetated and/or planted outside seeding dates. Schedule (340) Cover Crop as needed.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Seed tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection
- Engineering As-Builts

159 Grazing Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
159	Grazing Management, Small Operation ≤ 100 AC	NO	$3,029.65			Y
159	Grazing Management, Small Operation 101 to 500 AC	NO	$3,787.06			Y
159	Grazing Management, Small Operation 501 to 1500 AC	NO	$4,544.47			Y
159	Grazing Management, Small Operation 1501 to 5000 AC	NO	$5,301.89			Y
159	Grazing Management, Small Operation 5001 to 10,000 AC	NO	$4,6059.30			Y
159	Grazing Management, Small Operation >10,000 AC	NO	$6,816.71			Y

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A grazing management activity is a site-specific plan, developed with a client to address one or more resource concerns on land where grazing related activities or practices will be applied.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national DIA 159 deliverables.

561 Heavy Use Area Protection

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
561	Gravel with Geotextile, Thick	SQ FT	$1.13	$8,000	$9,600	Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI
NWQI, WLEB	

Planning Requirements:

- Any manure removed from a HUAP will be land applied (590) or stored in a Waste Storage Facility (313).
- HUAP is only eligible for EQIP assistance to address existing resource concerns caused from livestock and livestock feed/water management, and where suitable alternatives for changes in management (i.e. – avoiding vehicle use during wet periods; selecting alternative locations for feeding/staging/storage of feed; rotating livestock to other locations; etc.) have been evaluated during the planning process but are not possible.
- This includes livestock congregation areas; and vehicle or livestock use related to feed/hay management.
- HUAP is not eligible for resource concerns associated with: vehicle storage/parking, typical vehicle operation such as turning/backing/staging/parking areas, feed storage, Access Roads (refer to 560) or other typical farm-management operations not directly related to livestock feeding management.
- Required use of geotextile is defined in the FOTG standard.

Implementation Requirements:

- **Payment cap is per pad/CIN. It is not within policy to use multiple CINs to exceed the payment cap for a single HUAP.**
- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

422 Hedgerow Planting

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
422	1 row hedgerow – bare-root seedling planting stock	FT	$0.32			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
NWQI	Wildlife Habitat Pool

Planning Requirements:

- Any type/size seeding meeting the IN FOTG standard for 422 is acceptable.
- Hedgerow payment is based on the length (ft) of the hedgerow X the number of rows planned.
    - Ex: Length of hedgerow is 500’ and there are 3 rows. Total planned amount would equal 1500’.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree purchase receipts
- Assistance notes from field verification

315 Herbaceous Weed Treatment – Invasive Species Treatment and Site Preparation Scenarios

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
315	Light Spot Treatment	AC	$24.31			
315	Medium Spot Treatment	AC	$68.20			
315	Blanket Treatment Multi Pass	AC	$88.89			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Wildlife Habitat Pool
EQIP Specialty Crop	WLFW Northern Bobwhite
GLRI Invasive Species	

Planning Requirements:

- Site preparation: Blanket Treatment Multi-Pass is eligible for a single year to control existing cover in preparation for the establishment of perennial vegetation such as grasses, grass/legume/forb mixes, as needed per a management plan, Implementation Requirements (IR) or job sheet, etc. A minimum of two passes of any combination of treatment methods must be used. Cannot be used on active cropland with no perennial vegetation.
- If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CPA 106 Plan, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority inventory and evaluation will obtain the information listed below according to the FOTG standard.
- All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the CPA 106 FMP criteria.
- For plans involving **Pastureland** and **Associated Agland**, either a grazing management plan, a wildlife habitat management plan, or an invasive species management plan is required in support this practice.
- Management plans older than 12 months require a site visit. If no significant changes are found, this must be documented in assistance notes or in an addendum to the plan. Significant changes require an addendum to the plan.
- The forestry, grazing, wildlife, or equivalent 315 plan must include the following elements:
    - Identification of all species needing treatment in the land units under contract
    - Timing and methods for treatment for all species identified for all years
    - Estimated area of treatment. (Percentage infestation/canopy coverage of invasive species)
    - Expected post treatment level (See 315 Herbaceous Weed Control Implementation Requirements (IR) or Job Sheet)
- Eligible on **Forestland, Associated Agland,** or **Pastureland** to control: **Japanese Stilt grass, Sericea Lespedeza, Spotted Knapweed**.
- Area of Treatment will be determined as follows: If a 20-acre tract has several small areas of infestation, do not consider the entire 20 acres as needing treatment. Total acres treated are an aggregate percent of the estimated area of infestation if the areas are identified on a map If the entire PLU needs to be covered to treat the identified areas and species, plan for total acres.
- Select the appropriate priority species when practices are planned for the WLFW projects.

Implementation Requirements:

- Eligible for up to three payments per contract. Year one scenario must be scheduled as Blanket Treatment scenario followed by either Medium then the Low scenario. Site preparation only eligible for 1 year.
- Participant must complete subsequent years of treatment as needed as part of operation and maintenance.
- Practice Lifespan: 5 years

Documentation for Payment:

- Assistance notes from NRCS site inspection

Documentation for Payment:

- Assistance notes from NRCS site inspection

315 Herbaceous Weed Treatment – Tree and Shrub Post-Planting Weed Control

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
315	Tree and Shrub Post-Planting Weed Control	AC	$86.80			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health, GLRI Invasive Species
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
MRBI, NWQI	WLFW Northern Bobwhite, WLFW Monarch Butterfly

Planning Requirements:

- Post-Planting herbicide treatment is eligible for the year following the tree planting year for a total of one payment per land unit.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Receipts for completed work
- Assistance notes from NRCS field verification

603 Herbaceous Wind Barrier

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
603	Cool Season Annual/Perennial Species	FT	$0.07			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	NWQI
EQIP Specialty Crop	

Planning Requirements:

- Refer to the IN FOTG standard 603 for considerations and requirements

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

325 High Tunnel System

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
325	High Tunnel System, Quonset Style	SQ FT	$3.19	$7,000	$8,400	
325	High Tunnel System, Gothic Style	SQ FT	$3.76	$8,200	$9,900	

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP Historically Underserved (BFR, SD, LRF)	National Organic Initiative

Planning Requirements:

- This practice applies only to cropland where extension of the growing season is needed due to climate conditions and crops are grown in the natural soil profile.

Permanently raised beds may be installed to improve soil condition, fertility, and access, up to the limits in the standard. This meets the definition of natural soil profile.

- 325 is ineligible for crops not grown in the natural soil profile (i.e., tables/benches, portable pots, etc.), or for any use other than crop production.
- High tunnels may be planned to be in a fixed location or portable meaning rotated within or among enrolled, eligible land under control of the participant. All the land where a portable high tunnel will be rotated to during the contract must be included in the contract.
- Planners must document which type of high tunnel the participant plans to install (fixed or portable) in the conservation plan with the appropriate conservation practice narrative.

Implementation Requirements:

- **Maximum payment cap is per participant regardless of the number of applications in the current year.**
- During the contract period, moving the high tunnel to land that is not in the contract would be considered a contract violation. To avoid a potential violation, include all land where a portable high tunnel is planned for use on the operation.
- Practice Lifespan: 5 years

Documentation for Payment:

- Copy of Manufacturers Specifications
- Self-certification sheet for Seasonal High Tunnel installation
- Assistance Notes from NRCS field verification

447 Irrigation and Drainage Tailwater Recovery

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
447	Drainage Water Recycling	FT	$18.98			

Practice Scenario applicable to ranking pools:	
EQIP General	National Organic Initiative
EQIP Specialty Crop	

Planning Requirements:

- An irrigation system designed to collect, store, and convey irrigation tailwater, rainfall runoff, field drain water, or combination thereof for reuse in water distribution to the crop.
- Schedule 378 Pond, as applicable, for storage component of practice. Pond is not included in practice scenario.
- Include soil health practices such as 329, 345 and/or 340, as applicable, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.
- Unit type is based on linear feet of recirculating pipe.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

449 Irrigation Water Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
449	Irrigation Water Management for Row Crops	AC	$10.15			

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Management must decrease non-point source pollution of surface or ground water resources or result in increased efficiency of water use or increased energy efficiency.
- Include a soil health practices such as 329, 345, and/or 340, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.
- Eligible on all irrigated crop types.
- A uniformity test and flow monitoring are required the first year payment is received.
- Payment is for detailed record keeping, data collection, and irrigating according to an approved irrigation scheduling program (such as Purdue's Michiana Irrigation Scheduler or equivalent).
- Payment provided only for existing irrigation systems. **Participant must have irrigated 2 of the past 5 years per EQIP policy.**
- The participant's statement or the DC knowledge of this is acceptable proof.
- A payment cap of $4,500 per year applies for this practice on applications through the On-Farm Energy Initiative.

Implementation Requirements:

- Eligible for up to three payments per contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Records of uniformity test/flow monitoring results
- Assistance notes from field verification
- Records from irrigation scheduling

163 Irrigation Water Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
163	1 - 2 Designs - Without Pump Test	NO	$5,358.45			
163	3 or More Designs - Without Pump Test	NO	$8,680.87			
163	1 - 2 Designs - With Pump Test	NO	$6,360.02			
163	3 or More Designs - With Pump Test	NO	$10,013.40			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- The objective of irrigation water management (IWM) is to control the volume, frequency, and rate of water for efficient irrigation. Measurements of soil moisture, plant water use, and climate provide feedback to decide when to irrigate, and how much water to apply.
- Schedule “With Pump Test” scenario for irrigation system with known pump performance and less than 3 years old.
- Include soil health practices such as 329, 345 and/or 340, as applicable, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national DIA 163 deliverables.
- Submit to Scott Wagner (scott.wagner@usda.gov), Agricultural Engineer for approval

468 Lined Waterway or Outlet

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
468	Rock Lined	CU YD	$90.09			
468	Turf Reinforced Matting	SQ FT	$1.14			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP-Big Pine

Planning Requirements:

- Rock lined cubic yards is based on rock riprap with geotextile only and does not include bedding. Convert tons to CU YD by dividing by 1.5 (1 CU YD = 1.5 tons riprap), Example: 20 tons riprap / (1.5 tons/CU YD) = 13.33 CU YD. Turf reinforcement mat may not be used for scenarios with permanent water or long duration tail water
- The turf reinforcement mat scenario does not include seeding. Schedule (342) Critical Area Planting as the seeding component in support of practice.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

516 Livestock Pipeline

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
516	Above Ground Pipeline	FT	$1.23			Y
516	Buried Pipeline, <2in Plastic	FT	$1.80			Y
516	Bedded Pipeline	FT	$3.37			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLFW Northern Bobwhite
MRBI, NWQI, WLEB	

Planning Requirements:

- All 516 scenarios are only eligible to be scheduled for grazing livestock/wildlife watering purposes and are not eligible in conjunction with any irrigation practices or confined feeding operations.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.
- Is only eligible for WLFW 2.0 projects when completed in conjunction with a prescribed grazing plan.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

484 Mulching

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
484	Natural Material Full Coverage	AC	$297.80			
484	Erosion Control Blanket Vegetation Establishment	AC	$6,245.85			
484	Erosion Control Blanket for Endangered Species, Vegetation Establishment	AC	$7,538.08			
484	Natural Material, Soil Moisture Management, Seasonal High Tunnel	NO	$24.94	$1,000		
484	Synthetic Material, Soil Moisture Management, Seasonal High Tunnel	NO	$62.71	$1,000		

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Climate Smart
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- 484 Full Coverage and Erosion Control Blanket scenarios are only eligible to support another practice for the purpose of establishment of permanent vegetative cover.
- For the Seasonal High Tunnel Scenarios:
    - These scenarios are used to provide 100% ground coverage (in-row & between row) to suppress weeds competing with annual and perennial crops
    - These are not limited to uses only in high tunnels but can also be utilized outside on urban and small farm settings
    - If pesticides are applied, this practice can treat an existing pesticide loss resource concern (Pesticides Transported to Groundwater or Pesticides Transported to Surface Water)
    - If no pesticides are used, this practice can treat an existing Plant Pest Pressure resource concern
    - For Scheduling, the "NO." is based on the total length of beds to be mulched divided by 50. When the resulting number is a decimal, round up to the next whole number and use that as your NO. The width of the bed is important for planning but not needed for determining the NO. to schedule.
        - Example 1: producer has 20 beds that are 30" wide and 35' long. The total length to be mulched will be 700'. 700/50=14; therefore schedule 14 NO. for this site
        - Example 2: producer has 3 formed raised beds that are 4' wide and 20' long. The total length to be mulched = 60'. 60/50=1.2; in this case round up to the next whole number and schedule 2 NO. for this site
    - If feasible mulch walkways between beds when mulching beds
    - Can be scheduled annually on the same acres - up to 3 payments per contract.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from NRCS site inspection
- Documentation of the extent of mulch applied
- Invoices for purchased mulching materials and application of mulch

590 Nutrient Management - Basic

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Basic NM (Non-Organic/Organic)	AC	$6.53			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 00N.
- Eligible on cropland or pastureland if at least one of the following 3 scenarios is not occurring but #1 will occur and either #2 or #3 will also be implemented:
  1. **Soil Testing has not occurred within the last four years, but regular soil testing will occur**.
  2. **Nitrogen is currently being applied for corn in the fall/early winter without a nitrification inhibitor. Nitrogen will now not be applied in the fall/early winter or will be injected (late fall/early winter/spring) with a nitrification inhibitor. Fall application of DAP and MAP are permitted** only in fields with a soil test phosphorus level of <50 ppm (100 lbs.) Bray P1 or 40 ppm (80 lbs.) Mehlich 3 per acre, and no other P applications permitted in fields with a soil test phosphorus level of >50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre**.** *Applications of P are not permitted on frozen soil or snow/ice covered ground.*
  3. **Nitrogen is currently applied for corn as a single pre-plant application (minus starter) but will be split applied pre-plant/side-dressed or all side-dressed. Fall application of DAP and MAP are permitted** only in fields with a soil test phosphorus level of <50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre, and no other P applications permitted in fields with a soil test phosphorus level of >50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre**.** *Applications of P are not permitted on frozen soil or snow/ice covered ground.*
- Erosion must be controlled to "T" at a minimum as documented with current soil erosion estimation tools. If tillage is used in the fall / early winter, surface applications of fertilizer must occur prior to the tillage.
- Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
- Only one 590 scenario may be scheduled for a land unit at any given time in a contract.
- **Combinations of multiple NM scenarios on an operation are not permitted in a contract. If a participant applies manure on part of the offered acres, use the "w/Manure" scenario for all the acres.**
- Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.
- The 590 plan must be developed prior to the practice implementation. DIA 157 may be used as the 590 plan. Include CEMA217 if applicable.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

Completed NMP Checklist

590 Nutrient Management - Basic with Manure and/or Compost

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Basic NM with Manure and/or Compost (Non-Organic/Organic		$13.86			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 00N.
- Available for cropland and pasture/hay fields where manure and/or compost is being utilized. Must meet the following requirements:
    - **Only fields with a soil test phosphorus level of <50 ppm (100 lbs.) Bray P1 or 40 ppm (80 lbs.) Mehlich 3 per acre may receive any additional phosphorus.**
    - **Soil tests must have been completed within the last 4 years to be valid.** The minimum number of acres necessary for the manure application shall be based on the IDEM "Manure Application Land Requirements."
- Criteria for payment in fields that will receive the manure/compost and will result in the following changes in current manure management (does not apply to fields not receiving manure):
    - Pre-side dress soil nitrate test (PSNT) and/or chlorophyll meter (SPAD) are not currently being used but will be completed on cropland receiving manure to fine-tune manure/compost N credits. Follow Purdue University CES publication (AY-314-W or AY-317-W) guidelines.
    - *Manure/compost may not be applied on frozen, or snow/ice covered ground.*
    - Manure and other forms of P are only applied to fields with soil test phosphorus levels < 50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre.
    - Erosion must be controlled to "T" at a minimum as documented with current soil erosion estimation tools.
    - Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
    - Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.
- Cover Crops (340) establishment prior to, during or after summer / fall / early winter manure applications are strongly encouraged to help immobilize nutrients (N & P).
- Where an applicant is importing or exporting manure, they must provide a contract/agreement that shows the terms of receiving or exporting manure for the life of the EQIP contract.
- Land under a newly written CNMP plan is eligible for 590 Basic NM w/Manure as long as it is not prohibited by other provisions in this section.
- The applicant can be the generator or receiver of the waste and must have control of the fields that receive the manure/compost during the life of the contract.
- Municipal sewage sludge applications are not eligible.
- **Only one 590 scenario may be scheduled for a land unit at any given time in a contract. Combinations of multiple NM scenarios on an operation are not permitted in a contract. If a participant applies manure on part of the offered acres, use the "w/Manure" scenario for all the acres.**
- The 590 plan must be developed prior to the practice implementation. DIA157 may be used as the 590 plan . Include CEMA217 if applicable.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.

- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist

590 Nutrient Management - Basic Precision

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Basic Precision (Non-Organic/Organic)	AC	$41.43			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Edge of Field Water Quality Initiative
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 06N.
- Eligible on cropland only if one or more of the following 4 scenarios is not currently occurring, but #1 & #2 will occur and either #3 or #4 will also be implemented:
  1. **Intensive soil sampling (Grid or Soil Management Zone = 5 AC or less).**
  2. **Intensively managed nutrient application rate (variable rate for P, K, and lime) for all years on all applications.** NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, N applications, manure applications and/or small grain top-dress (N or P).
  3. **Nitrogen is currently applied for corn as a single pre-plant application (minus starter) but will be split applied pre-plant/side dressed or all side-dressed to corn** (fall application of N is not allowed except as noted below).
  4. **Nitrogen is currently fall or early spring pre-plant applied without a nitrification inhibitor, but a nitrification inhibitor will be used on early spring pre-plant** (fall application of N is not allowed except as noted below) nitrogen.
- **Additionally, fall application of P (DAP/MAP) are permitted** up to Land Grant University agronomic rates for phosphorus on grids/zones where soil test levels for phosphorus do not exceed 50 ppm (100 lbs.) Bray P1 or 40 ppm (80 lbs.) M3 per acre, **and a cover crop is seeded**. *Applications of any P source are not permitted on frozen or snow/ice-covered ground.*
  - If tillage is used, the following must occur:
    - Only tillage activities that meet the "Additional Criteria to Maintain or Improve Soil Quality" in the 345 standard **(use of "Indiana modified no-till" equipment that will result in a STIR rating of less than 30)** are allowed.
    - MAP/DAP/manure must be placed prior to tillage for shallow incorporation.
  - The cover crop must be seeded ahead of, or at the same time as fall tillage.
  - If manure is applied, the following must occur**:**
    - No applications of P are permitted on fields with a soil test phosphorus level >50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre.
    - **Cover Crops (340) establishment prior to, during or after summer / fall / early winter manure applications are required** to help immobilize nutrients (N & P).
    - Organic application rates will not exceed the planned N needs of next year's crop (regardless of estimated losses due to timing or method of application plus include starter N) or 2 years of crop P2O5 removal = application rate is lowest rate of these 2.
- *No phosphorus applications allowed on frozen, or snow/ice covered ground*
- No phosphorus applications allowed where soil test phosphorus levels exceed 50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre.
- **Only one 590 scenario may be scheduled for a land unit at any given time in a contract.**
- Enhanced (NM Grid) Nutrient Management can follow Basic Management; however, Basic Nutrient Management cannot follow Enhanced (NM Grid) Nutrient Management.
- Erosion must be controlled to "T", at a minimum, as documented with current soil erosion estimation tools.

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- Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
- The 590 plan must be developed prior to the practice implementation. DIA157 may be used as the 590 plan. Include CEMA217 if applicable.
- Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist

590 Nutrient Management – NM Grid/Zone Soil Sampling, Variable Rate – Deep Placement

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	NM GRID/ZONE Soil Sampling, Variable Rate – Deep Placement	AC	$54.52			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 08N
- **Intensive soil sampling (Grid or Soil Management Zone = 5 AC or less) will be completed every 4 years or less.** Soil samples will be collected from at least 2 varying depths from the same core to analyze for stratification.
- **All phosphorus fertilizer** (DAP, MAP, etc.) **will be injected** (deep placement 2 to 6" below the soil surface) **instead of broadcast** (injected = fall or spring, strip-till or no-till or low/reduced disturbance equipment, or no-till in-furrow at planting). Secondary full width tillage is not allowed. P will not be applied to frozen or snow/ice-covered ground).
  - **Intensively managed nutrient application placement (variable rate for P, K, and lime) for all years on all applications.** NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, and/or small grain top-dress (N or P).
  - No applications of P are permitted on grid/zones with a soil test phosphorus level >50 ppm (100 lbs.) Bray P1 or 40 ppm (80 lbs.) Mehlich 3 per acre**.**
  - Phosphorus fertilizer will be applied based on crop removal or LGU recommendations. Application rate is not to exceed more than 2 years of crop P2O5 removal.
  - *No phosphorus applications allowed on frozen, or snow/ice covered ground.*
  - Nitrogen applications to fields will be split applied pre-plant/side dressed or all side-dressed or nitrogen will be applied in early spring pre-plant with a nitrification inhibitor (fall application not allowed – except for portion in DAP/MAP). Fall N application for wheat is permitted.
  - Cover crops (340) are encouraged.
- **All organic (manure) phosphorus** (liquid and dry manure) **will be injected** (deep placement 2 to 6" below the soil surface) **instead of broadcast** (injected = fall or spring, strip-till or no-till or low/reduced disturbance equipment, or no-till in-furrow at planting). Secondary full width tillage is not allowed. *P will not be applied to frozen or snow/ice-covered ground.*
  - Additional potassium fertilizer (up to LGU rates, if lacking from manure applications) and lime will be applied using variable rates for all years on all applications. NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, and/or small grain top-dress (N or P).
  - No applications of P are permitted on fields/manure management zones/grids with a soil test phosphorus level >50 ppm (100 lbs.) BP1 or 40 ppm M3 per acre**.**
  - Organic application rates will not exceed the planned N needs of next year's crop (regardless of estimated losses due to timing or method of application plus include starter N) or 2 years of crop P2O5 removal = application rate is lowest rate of these 2.
  - Liquid manure applications must be injected (strip-till / no-till / no secondary full width tillage). Dry manure may only be injected (full-width broadcast application or incorporation are not authorized in this scenario).
  - *No phosphorus applications allowed on frozen, or snow/ice covered ground.*
  - Additional nitrogen applications to fields (including manure N credits and planned starter N) will be split applied pre-plant/side dressed or all side-dressed or nitrogen will be applied in early spring pre-plant with a nitrification inhibitor (fall application not allowed). Fall N application for wheat is permitted.
  - Cover crops (340) are required.

- **Only one 590 scenario may be scheduled for a land unit at any given time in a contract.**
- This scenario can follow other scenarios; however, other scenarios cannot follow this one.
- Erosion must be controlled to "T", at a minimum, as documented with current soil erosion estimation tools.
- Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
- The 590 plan must be developed prior to the practice implementation. DIA157 may be used as the 590 plan. Include CEMA217 if applicable.
- Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist

590 Nutrient Management – Small Farm Nutrient Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Small Farm NM (Non-Organic/Organic)	NO	$218.65			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 00N.
- This scenario is eligible for truck crops, orchards and other specialty crops, (including organic) are grown and the operation size is generally 50 acres or less.
- If the operation is greater than ~50 acres, consider scheduling 590 Basic Nutrient Management in lieu of this scenario.
- Producer may receive multiples of this payment for each crop production system. For example, a producer with a small-scale grain production system and a vegetable production system would be eligible for two times the payment per year for up to three years.
- The 590 plan must be developed prior to the practice implementation. DAI157 may be used as the 590 plan. Include CEMA217 if applicable.

Implementation Requirements:

- Eligible for up to three payments per contract per year. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Adaptive NM	NO	$1,955.91			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 07N.
- Eligible on cropland only. Payment is per field/plot where **strip trial** is conducted.
- Refer to National Agronomy Tech Note No. 6 (TN_190_AGR_7) for information about setting up strip trials.
- Design, implementation and evaluation will require the participation of a qualified private or public entity such as Purdue University Cooperative Extension Service, MRBI project partner, or other entity with the expertise to provide this assistance.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist
- Documentation of the strip trial location and results

590 Nutrient Management – Small Scale Urban Basic Nutrient Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
590	Small Scale Urban Basic Nutrient Management	kSqFt	$49.33	$500		

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 00N.
- This scenario is eligible for truck crops, orchards and other specialty crops, (including organic) and each crop production system is generally 0.25 acres or less.
- The unit is calculated in kSqFt or kilo square feet or 1000 SQ FT.
    - Ex: If there is a 10,000 sf. crop production system area, the planner would schedule 10 (10,000/1000sf)
- If the operation is greater than 0.25 acres, consider scheduling 590 Small Farm NM (Non-Organic/Organic) in lieu of this scenario.
- Client may receive multiples of this payment for each crop production system as long as the systems are occurring on 3 separate land units. Then they would be eligible for three payment per year for up to three years as long as they are not on the same land unit.
    - For example, farms with a vegetable production system, a sweet corn production system, and an herb production system would be eligible for three payments per year for up to three years (each based on the annual planted/managed area of each system).
- Eligible on small farms if at least one of the following 3 scenarios is not occurring but #1 will occur and each #2, and #3 will also be implemented:
    1. **Precision soil testing has not occurred within the last four years, but soil testing for each bed or unique crop production system will occur (annually if crop production systems are moved)**.
    2. **Annual nutrient needs are currently applied as a single application but will be split applied (pre-plant/side-dressed or all side-dressed), if applicable to crop.**
    3. **Manure, compost, and other non-commercial fertilizer nutrient sources will be tested prior to application to determine annual application rates.**

- Erosion must be controlled to "T" at a minimum as documented with current soil erosion estimation tools.
- Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
- The 590 plan must be developed prior to the practice implementation. DAI157 may be used as the 590. Include CEMA217 if applicable.

Implementation Requirements:

- Eligible for up to three payments per contract per year. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Completed NMP Checklist

157 Nutrient Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
157	Design Nutrient Mgmt ≤ 100 AC and No Manure	NO	$2,337.56			
157	Design Nutrient Mgmt 101-300 AC and No Manure	NO	$3,116.74			
157	Design Nutrient Mgmt > 300 AC and No Manure	NO	$3,895.93			
157	Design Nutrient Mgmt ≤ 100 AC Fertilizer and Manure	NO	$3,895.93			
157	Design Nutrient Mgmt 101-300 AC Fertilizer and Manure	NO	$5,454.30			
157	Design Nutrient Mgmt >300 AC Fertilizer and Manure	NO	$6,623.08			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
Conservation Planning Activity	RCPP Big Pine
MRBI	

Planning Requirements:

- Design the rate, source, placement, and timing of plant nutrients and soil amendments while reducing environmental impacts. Implementation requirements for Conservation Practice Standard (CPS) 590 Nutrient Management along with other supporting conservation practices are developed
- A Design and Implementation Activity (DIA) is the planning and designing of a single practice or any combination of structural, vegetative, or land management practices and management activities to treat one or more resource concerns.
- The DIA 157 Nutrient Management documents the verification of the client's conservation plan, and the development of the implementation requirements or plans and specifications for each planned conservation practice. The DIA addresses site identified resource concerns, crops grown, crop rotation(s), times and types of tillage practices, and other supporting conservation practices that are implemented to improve or protect air, soil and water resources. This activity includes one or more conservation practices to address nutrient application and potential loss pathways for nitrogen and phosphorus.
- The TSP will complete Implementation Requirements for vegetative and land management practices as outlined in each state adopted Conservation Practice Standard (CPS) and Statement of Work (SOW) found in the Natural Resource Conservation Service (NRCS) Field Office Technical Guide for the state in which the practices are being implemented.
- Include CEMA217 if applicable.
- Select the appropriate scenario.

Implementation Requirements:

- The TSP will maintain an ongoing record of DIA related discussions with the client. The TSP will document on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence between the TSP and the client related to the development of the DIA will be included in the record.
- Select TSP from NRCS Registry certified for this DIA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets National DIA 157 deliverables, including but not limited to:
    - Cover page
    - Soil and tissue testing and analysis
    - Manure, organic by-product, and biosolids testing and analysis
    - Risk Assessments for Land Treatment on all fields where nutrients are applied
    - The 4Rs of nutrient stewardship
    - Conservation Assistance notes/correspondence
    - Maps
    - Documentation
    - Implementation Requirements
- The activity will meet the NRCS planning criteria for one or more of the applicable resource concerns.

319 On-Farm Secondary Containment Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
319	Double Wall Tank	GAL	$2.09			

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative
WLEB	

Planning Requirements:

- See IN FOTG Standard 319 for considerations and requirements. Other options to provide secondary containment (concrete around an existing tank) must be approved by the State Conservation Engineer.
- Payment rate based on gallons of tank being replaced.
- Spill Prevention, Control, and Countermeasure (SPCC) program notification required for aggregated aboveground storage capacity of 2,500 gallons or greater. Contact State Conservation Engineer for additional guidance prior to including this practice in an EQIP application.

Implementation Requirements:

- Existing singles-wall tanks that are being replaced must no longer be used after the new tank is installed.
- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts, receipts and/or other documentation to demonstrate the purchased tank meets NRCS standards and that replaced tank is no longer in use.

582 Open Channel

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
582	Two Stage Ditch*	FT	$10.54			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, WLEB	

Planning Requirements:

- Eligible only for the conversion of an existing ditch to a **Two-Stage ditch** as described in the additional criteria of the 582 FOTG Standard.
- Eligible for existing constructed channels with > 1 square mile drainage area. Payment cap is per ditch system in a contract.
- **Site evaluation by person with adequate engineering approval is required prior to contract obligation.**
- **Shared Ditches** (ditches along property boundaries):
    - If an (582) Open Chanel Two Stage Ditch adjoins two properties with separate owners, both owners must apply on the same application to ensure implementation.
    - In the case of a shared ditch, participants must decide how to divide the payment shares for the practice at the time of application.
- (582) Open Channel does not include the cost of seeding. Add (342) Critical Area Planting as a separate component for the seeding of this practice.
- Add (484) Mulching - Erosion Control Blanket as a separate component of this practice as needed.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

512 Pasture and Hay Planting

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
512	Introduced Grass Establishment or Renovation*	AC	$250.94			Y
512	Interseeding Legumes and/or Forbs*	AC	$163.90			Y
512	Native Grass Establishment or Renovation with fertility*	AC	$371.33			Y
512	Introduced Grass Establishment or Renovation **Organic***	AC	$253.92			Y
512	Interseeding Legumes and/or Forbs **Organic***	AC	$151.74			Y

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	
EQIP Specialty Crop	WLFW Northern Bobwhite
MRBI, NWQI, WLEB	Organic-National Organic Initiative

Planning Requirements:

- Seeding mixes should be developed using the Indiana General Seeding Calculator found in FOTG Section IV under Ecological Sciences Tools.
- A new soil test is required if mechanical harvesting has occurred, any amendments (organic or inorganic) have been added since last testing or the soil test is over 4 years old without any changes.
- Only legumes and/or forbs may be interseeded into existing stands.
- Monoculture stands are not eligible. All plantings must include both grasses and legumes to be eligible.
- When the pasture renovation utilizes an interim seeding in a spray/smother/spray scenario to terminate endophyte infected tall fescue or other difficult to control species, use standard Annual Forage for Grazing Systems (810) for the interim seeding for forage.
- New plantings will eliminate all existing vegetation except when interseeding legumes into grass stands or interseeding grass into existing alfalfa stands.
- “Native Grass Establishment or Renovation” scenario may not be used for introduced species establishment or renovation and vice versa.
- Only the Native grass establishment or renovation is eligible under WLFW Northern Bobwhite
    - The WLFW Bobwhite in Grasslands WHEG must be used in planning.

Implementation Requirements:

- Cost for fence and livestock watering facilities are eligible to be added to the application on land units where cropland is being converted for grazing purposes. See 440 CPM Part 530 530.403 C & H.
- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

595 Pest Management Conservation System

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
595	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation	AC	$27.45			
595	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation – SMALL FARM	No	$826.90			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health, GLRI Invasive Species
EQIP General	WLFW Monarch Butterfly
EQIP Specialty Crop	National Organic Initiative
MRBI, NWQI, WELB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code 01N
- Eligible on cropland, orchards, specialty crops and pastureland where pesticides are applied not currently under a pest management plan that follows IPM principles (i.e., scouting, pest identification, field history, treatment threshold) for all pesticide applications.
- Eligible on cropland, only if two or more of the following four scenarios is not currently occurring, but all four will be implemented. Eligible on orchards, specialty crops and pasture if two or more are not currently occurring but #1/2/3 will be implemented:
  1. **At least three pest scouting trips per crop year are not currently occurring but will be completed at emergence, mid-season and late season (corn/soybeans) OR three scouting trips throughout the year for small farms, orchards, specialty crops or pastures.**
  2. **Foliar applications (fungicides and insecticides) are currently not based on economic thresholds but will now be applied only when field scouting discovers pests (e.g., diseases, insects, weeds) at economic threshold levels, as referenced in a Purdue extension/scientific publication or a predicted threat by Purdue University Specialist.**
  3. **Use of precision equipment with automated section or boom shut-off capabilities to minimize overlap and to avoid environmentally sensitive areas is not currently being used but will be used. Note: includes manual shut-off and spot spray options for small farms, orchards, specialty crops and pastures.**
  4. **Insecticide seed treatment is currently used on all soybeans but will now only be used if an early season infestation by seed/seedling feeder insects are identified by scouting, past infestations are common to a field, or a problematic management scenario is used. Refer to Purdue Extension publication: "Soybean Insect Control Recommendations – Current Year" E-77-W. Note: not applicable to orchards, specialty crops or pastures.**
- **Consider using the 250 or 500 rate insecticide seed treatment on corn, if available, unless an early season infestation by seed/seedling feeder insects are identified by scouting, past infestations are common to a field or problematic management scenario is used. Refer to Purdue Extension publication: "Corn Insect Control Recommendations-current year" E-219-W**
- **NOTE:** environmentally sensitive areas will be geo-referenced for all pesticide applications per the 595 standard-includes applicable setbacks, perennial water bodies, surface inlets/tile risers, buffers, sinkholes-surficial opening and/or lowest point, etc.
- Follow all pesticide label setbacks (as applicable for water bodies, properties and other environmentally sensitive areas) for herbicides, insecticides, and fungicides.
- The Pest Management Plan must be developed prior to the practice application. DIA 161 may be used as the plan.

Implementation Requirements:

- Eligible for up to three payments per contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Completed PMP Checklist, Scouting reports

161 Pest Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
161	Low Complexity 1-4 CPS	NO	$2,319.27			
161	IPM Management DIA Medium 51 - 250 AC Low Complexity, 5+ CPS	NO	$3,466.82			
161	IPM Management DIA Large > 250 AC High Complexity 1-4 CPS	NO	$4,932.51			
161	High Complexity, 5+ CPS	NO	$6,080.06			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- Pest Management Conservation System manages pests using a combination of conservation practices and Prevention, Avoidance, Monitoring, and Suppression (PAMS) techniques. It addresses beneficial organism, plant pressure, surface, and groundwater impacts.
- A Design and Implementation Activity (DIA) is the planning and designing of a single practice or any combination of structural, vegetative, or land management practices and management activities to treat one or more resource concerns.
- The DIA 161 Pest Management Conservation System documents the verification of the client's conservation plan, and the development of the implementation requirements or plans and specifications for each planned conservation practice. The DIA addresses site identified resource concerns, crops grown, crop rotation(s), times and types of tillage practices, and other supporting conservation practices that are implemented to improve or protect air, soil water and animal (invertebrate) resources. This activity includes one or more conservation practices to address plant pest pressure, beneficial organisms and the application and potential loss pathways for pesticides.
- The TSP will complete Implementation Requirements for vegetative and land management practices as outlined in each state adopted Conservation Practice Standard (CPS) and Statement of Work (SOW) found in the NRCS Field Office Technical Guide for the state in which the practices are being implemented.
- Select the appropriate scenario based on the following:
    - **High complexity conservation practices** may include: prescribed grazing, irrigation water management, diverse conservation plantings and complex practices for such as Agrichemical Handling Facility and Vegetated Treatment Area. **High Complexity PAMS activities** include: field sanitation, intensive scouting etc.
    - **Low complexity conservation practices** may include: cover crop, crop rotation, reduced tillage, conservation plantings and minor structural practices for erosion control such as grass waterways and diversions. **Low Complexity PAMS activities** include: using pest resistant varieties, trap crops, scouting etc.

Implementation Requirements:

- The TSP will maintain an ongoing record of DIA related discussions with the client. The TSP will document on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence between the TSP and the client related to the development of the DIA will be included in the record.
- Select TSP from NRCS Registry certified for this DIA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets National DIA 157 deliverables, including but not limited to:
    - Cover page
    - Pest Management Conservation System requirements
    - Hazard Assessments for Land Treatment on all fields where pesticides are applied
    - General Risk Assessment
    - Pesticide Hazard Assessment
    - Erosion Risk Assessment
    - Conservation Assistance notes/correspondence
    - Maps
    - Planning
    - Documentation
    - Implementation Requirements

The activity will meet the NRCS planning criteria for one or more of the applicable resource concerns

782 Phosphorus Removal System

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
782	In-Ditch Filter or Tile Discharge	Each	$3557.47			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- This practice installation is either a ditch lined with filter media, or an in-ground tank containing filter media.
- Include soil health practices such as 329, 345 and/or 340, as applicable, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.
- Schedule 620 Underground Outlet, as applicable.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

148 Pollinator Habitat Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
148	Pollinator Habitat DIA	NO	$2,735.16			
148	Pollinator Habitat DIA - No Local TSP	NO	$3,972.49			

Practice Scenario applicable to ranking pools:	WLFW Monarch Butterfly
	Planning Activities

Planning Requirements:

- A pollinator habitat activity is a site-specific conservation plan developed for a client that addresses the improvement, restoration, enhancement, expansion of flower-rich habitat that supports native and/or managed pollinators.
- Non-Local Scenario only eligible when TSP travel distance is greater than 600 miles from participant's operation.
- Select TSP from NRCS Registry certified for this DIA.

Implementation Requirements:

- Practice Lifespan: 1 Year

Documentation for Payment:

- Copy of completed plan and DIA deliverables

378 Pond

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
378	Embankment, Tile Conduit	CU YD	$2.30	$10,000	$11,500	

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative
MRBI, NWQI	

Planning Requirements:

- Ponds (378) are only allowed as a source for livestock watering in an existing grazing system, or as an associated component of 447 Irrigation System, Tailwater Recovery. Livestock must be excluded from accessing the pond. Ponds are not eligible for a watering source for confined livestock operations.
- When planning a water source for livestock, planner must document assistance presented to producers to evaluate the economics of different water source options (pond, well, pipeline to municipal water). If another economic water source is available, a secondary resource concern of gully erosion must be present at the pond site.
- Add (342) Critical Area Planting as a separate component with pond as necessary.
- Ponds must be sized for the grazing need or the minimum to meet the practice standard.

Implementation Requirements:

- Practice Lifespan: 20 years
- Payment cap is per contract.

Documentation for Payment:

- Engineering As-Builts

520 Pond Sealing or Lining, Compacted Soil Treatment

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
520	Soil Dispersant – Uncovered	CU YD	$5.70			Y
520	Bentonite Treatment – Uncovered	CU YD	$52.88			Y
520	Compacted Earth Liner	CU YD	$5.95			Y
520	Material haul > 1 mile	CU YD	$10.38			Y

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative

Planning Requirements:

- Use practice narrative code 01N.
- Pond Sealing or Lining only allowed for Waste Storage Facility (313) and Waste Storage Lagoons (359).
- Payment based on CU YD of liner material.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

521 Pond Sealing or Lining, Geomembrane or Geosynthetic Clay Liner

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
521	Flexible Membrane – Uncovered without liner drainage or venting	SQ YD	$13.05			Y

Practice Scenario applicable to ranking pools:	
EQIP General	National Organic Initiative

Planning Requirements:

- Use practice narrative code 01N.
- Pond Sealing or Lining only allowed for Waste Storage Facility (313) and Waste Storage Lagoons (359).

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

338 Prescribed Burning

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
338	Grassland, Small acreage (≤10 AC)*	AC	$39.02			
338	Woodland Small acreage (≤10AC)*	AC	$109.30			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	WLFW Northern Bobwhite
EQIP General	WLFW Monarch Butterfly
Wildlife Habitat Pool	GLRI Invasive Species
NWQI	

Planning Requirements:

- Grassland is only eligible where acreage has Prescribed Burning Plan as part or in conjunction with a Wildlife Habitat Management Plan. Eligible on any size field or burn area needed.
- Woodland is only eligible where acreage has a Prescribed Burning Plan and is recommended in a Forest Stewardship Forest Plan, a CPA 106 Forest Management Plan, or a Forest Plan meeting 106 FMP criteria. Eligible on any size forest stand or burn area needed.
- A Prescribed Burn Plan meeting DIA 106 Prescribed Burning is required for payment. NRCS employees are not authorized to write a prescribed burn plan. The Prescribed Burn Plan must be written by a qualified individual.
- Schedule only one scenario per field depending on the acres of the field.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.
- **Per National policy on Planning Prescribed Burns (GM_190_413.13), the client must be informed in writing of their potential liability. The following liability statement is included in the 338 Prescribed Burning practice narrative. "The landowner is liable for any damages resulting from a prescribed burn".**

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Prescribed Burn Plan author confirms that the Burn Plan address all items in the DIA 160 and complies with local, state and federal burning laws. See Indiana NRCS 338 Prescribed Burn Plan Checklist.
- Site visit by NRCS Prescribed Burn Specialist (Dan Shaver or Brianne Lowe) or
- documentation from IDNR District Wildlife Biologist

160 Prescribed Burning Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
160	Prescribed Burning Plan DIA ≤ 20 acres	NO	$ 913.18			
160	Prescribed Burning Plan DIA 21 – 100 acres	NO	$ 1,217.57			
160	Prescribed Burning Plan DIA 101 – 250 acres	NO	$ 1,521.96			
160	Prescribed Burning Plan DIA 251 – 500 acres	NO	$ 1,826.36			
160	Prescribed Burning Plan DIA 501 – 1000 acres	NO	$ 2,435.14			
160	Prescribed Burning Plan DIA > 1000 acres	NO	$ 3,652.71			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A prescribed burning activity is a site-specific plan developed with a client that addresses one or more resource concerns on land through the use of fire.
- Select TSP from NRCS Registry certified for this DIA or utilize a partner developed plan meeting DIA requirements.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of completed plan

528 Prescribed Grazing

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
528	Low Intensity > 7 Day Rotation Frequency	AC	$21.55			Y
528	High Intensity ≤ 2 Day Rotation Frequency	AC	$45.80			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health, GLRI Invasive Species
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLFW Northern Bobwhite
MRBI, NWQI, WLEB	

Planning Requirements:

- Payments will also be available for other practices required as part of the conservation plan.
- "Stop grazing" heights must be verified/documented by the field office with at least 80% of the enrolled acreage under 528 meeting the standard to be eligible for payment.
    - **Commencing or completing another grazing practice does not satisfy the requirements for certifying 528 for payment.**
- Refer to the Grazing Technical Note 1 for descriptions of the Grazing System for each scenario.
- Payment includes the typical scenario cost of temporary, movable fencing.
- Payment for 528 is not eligible in the same year on acreage receiving Nutrient Management (590) Basic Management.
- A written prescribed grazing plan is required to be completed prior to implementation. Plan must be written by a qualified individual.
- Combinations of Low and High Intensity are eligible if the Low precedes High and not\ more than three payments are made in the contract total.
- Combinations of Low and High in the same year in a contract are not eligible regardless of the potential they could be scheduled of different land.
- When feasible, prescribed grazing (528) should be contracted after all required infrastructure is installed and operational. Pipeline, watering facilities, HUAP's, forage planting, fence, and other associated practices should be installed prior to including 528 in contracts, ideally, in this same order.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Participants may not use multiple contracts to circumvent the three-payment maximum.
- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from NRCS site visit documenting proper stop grazing heights on at least 80% of the enrolled acreage.
- Copy of the prescribed grazing plan and completed Prescribed Grazing Checklist.

533 Pumping Plant

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
533	Livestock Water Deep Well Pump (>25 FT)	NO	$1,698.73			Y
533	Pump with Sump	NO	$3,351.80			Y
533	Solar Pump for Shallow Well or Spring Development	NO	$1,822.61			Y

Practice Scenario applicable to ranking pools:	National On-Farm Energy Initiative
EQIP General	MRBI, WLEB
EQIP Specialty Crop	National Organic Initiative

Planning Requirements:

- Scenarios listed above are only eligible for grazing livestock water. Not eligible in conjunction with confined feeding operations or for irrigation purposes.
- "Pump with Sump" scenario is to be used for installation of pumps that require a sump or pump house be installed with the pump.
- "Solar Pump for Well" is to be used where a solar pump is planned for any water source, including well, pond or stream.
- The only scenario eligible for the **Energy Initiative** is the "Solar Pump for Well", in which an existing pump is converted to a solar pump.
- A payment cap of $5,000 for this practice per contract applies if submitted for ranking through the On-Farm Energy Initiative.

Implementation Requirements:

- Practice Lifespan: 15 Years

Documentation for Payment:

- Engineering As-Builts

329 Residue and Tillage Management No Till

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
329	No Till/Strip Till	AC	$17.07			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Climate Smart
MRBI, NWQI, WLEB	RCPP Big Pine

Planning Requirements:

- Use practice narrative code **00N for No-Till**; Use practice narrative code **01N for strip till**.
- A STIR rating of less than 20 is required per crop interval. This is defined as after harvest of previous crop through harvest of present crop (not crop rotation average) and must be documented with RUSLE 2 to receive this payment.
- No full width tillage is performed (includes any implement with a surface area disturbance factor >0.75)
- This practice must be applied to the same acres in three consecutive years in which payments are made.
- Only land that has been no-tilled 5 consecutive years or less is eligible for payment based on the Indiana NRCS 329 Practice Standard.
- Select the narrative for this practice based on the entire rotation evaluated:
    - A planned crop/tillage rotation consisting of NT corn & NT soybeans will use the No-Till Narrative
    - A planned crop/tillage rotation consisting of ST corn & NT soybeans will use the Strip-Till Narrative
    - Any planned crop/tillage rotation that has full-width tillage in it is not considered to be a NT or ST system and should be called a reduced till system
- The crop rotation for the contract period must include at least two years of a no-till high residue crop during the contract.
    - Examples of high residue crops include: Corn (grain), Millet, Milo, Oats, Popcorn, Cereal Rye, Sorghum, Sorghum-Sudan Grass Hybrid, Triticale and Wheat.
- To ensure that past issues that may limit the success of No Till implementation are adequately understood by the participant and addressed, the following Agronomy Tech Notes will be discussed with and given to the participant: Entry Phase Management; Nitrogen Management; Planter Settings for No-Till, Top 15 Basics for No-Till Management, High Residue IPM – Insects, High Residue IPM - Diseases, and High Residue IPM - Weeds
- If needed, payments can be provided for 590-Nutrient Management and 595 Pest Management Conservation System and associated CAPS (e.g., 104, 114) if the respective practice requirements are met.
- 345 may only precede 329 in a contract where 345 is used as a transition from conventional tillage to 329.
- If a contract contains both 345 and 329 as a transition, the total number of years of payment may not exceed three for any combination of 345 and 329.
- This is the only case in which both 345 and 329 can be used on one contract.

Implementation Requirements:

- Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from field verification

345 Residue and Tillage Management, Reduced Till

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
345	Residue and Tillage Management, Reduced Till	AC	$15.96			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	Climate Smart
MRBI, NWQI, WLEB	RCPP-Big Pine

Planning Requirements:

- **Must meet the "Additional Criteria to Maintain or Improve Soil Quality" in the 345 standard (use of "High Residue Full Width Tillage" equipment that will result in a STIR rating of less than 30) to receive payment.**
- Land must have been mulch tilled/modified no tilled and/or no tilled for no more than 5 consecutive years in order to be eligible for payment.
- The crop rotation for the contract period must include at least two years of a mulch till high residue crop during the contract.
    - Examples of high residue crops include: Corn (grain), Millet, Milo, Oats, Popcorn, Cereal Rye, Sorghum, Sorghum-Sudan Grass Hybrid, Triticale and Wheat.
- If needed, payments can be provided for 590-Nutrient Management and 595 Pest Management Conservation System and associated CAPS (e.g., 104, 114) if the respective practice requirements are met.
    - This is to address issues that may limit the success of Mulch Till implementation. Payments will be provided for Nutrient and Pest Management practices as well if requirements are met.
- 345 can only precede 329 in a contract where 345 is used as a transition from conventional tillage to 329.
- If a contract contains 345 and 329 as a way to transition, the total number of years of payment may not exceed three when combined with 329.
- This is the only case in which both 345 and 329 can be used on one contract.
- The following Agronomy Tech Notes will be discussed with participants: Entry Phase Management; Nitrogen Management; Planter Settings for No-Till, Top 15 Basics for No-Till Management, High Residue IPM – Insects, High Residue IPM - Diseases, and High Residue IPM - Weeds

Implementation Requirements:

- Eligible for only one payment per contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from visual inspection
- RUSLE2 runs for before and after tillage scenarios.

643 Restoration of Rare or Declining Natural Communities

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
643	Savanna or Prairie Restoration, Heavy	AC	$267.31			
643	Woodland Restoration, Heavy	AC	$202.31			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health, GLRI Invasive Species
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
MRBI, NWQI	

Planning Requirements:

- See the IN FOTG standard 643 for considerations and requirements.
- These scenarios are intended to remove or reduce woody plant canopy and utilize chemical treatment to restore and manage the declining natural community.
- Prior to ranking Woodland Restoration, practice must be planned and identified as necessary in a forest plan meeting the Forest Management Plan (106) standard. A plan developed outside of EQIP financial assistance meets this requirement if the plan meets the 106 standard. Forest Stewardship Plans written by the Indiana DNR may meet this requirement.
- Savanna or Prairie Restoration is where greater than 60% canopy cover is in undesirable non-herbaceous cover.
- Woodland Restoration scenario is where basal area removal is >40 ft^2 or >400 stems per acre.

Implementation Requirements:

- Savanna Restoration's final canopy cover should range between 20%-40% cover and must follow VII. Restoration of Existing Degraded Habitats criteria of the 643 FOTG standard.
- Woodland Restoration scenarios are found on non-floodplain soil series with moderately to excessively drained soils. The final canopy coverage should range between 50%-70% and must follow VI. Open Oak Woodlands or VII. Restoration of Existing Degraded Habitats criteria of the 643 FOTG standard.
- Practice Lifespan: 10 years

Documentation for Payment:

- Implementation Requirements (IR) or Job Sheets or Planting/Seeding Specifications as applicable
- Assistance notes from field verification

391 Riparian Forest Buffer

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
391	Bareroot trees and shrubs	AC	$1,013.76			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Wildlife Habitat Pool
EQIP Specialty Crop	MRBI, NWQI, WLEB
GLRI Nearshore Health, GLRI Invasive Species	

Planning Requirements:

- Natural regeneration of riparian buffers is not permitted for purposes of ranking or payment.
- Inclusion of seedlings from natural regeneration is allowable when determining planting success.
- Livestock shall be excluded with a fence according to the FOTG standards 382 Fence and 472 Access Control.
- Only sites adjacent to perennial streams are eligible for funding.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree purchase receipts
- Assistance notes from field verification

390 Riparian Herbaceous Cover

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
390	Native Grass	AC	$452.29			

Practice Scenario applicable to ranking pools:	WLFW Monarch Butterfly
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Nearshore Health, GLRI Invasive Species	MRBI, NWQI, WLEB

Planning Requirements:

- See the IN FOTG standard 390 for considerations and requirements.

Implementation Requirements:

- Seeding mixes will be developed based on the primary purpose of the practice using either the Indiana General Seeding Calculator, or the Wildlife Seeding Calculator, found in FOTG Section IV.
- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags
- Documentation to show how much seed was applied (e.g., seed invoice).
- Documentation of field preparation and seeding method.
- Soil test and fertility recommendations and fertilizer receipts as applicable.
- Assistance notes from NRCS site inspection

558 Roof Runoff Structure

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
558	Roof Gutter Small	FT	$7.90			Y
558	Rock Trench Drain	FT	$7.17			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Add (620) Underground Outlet as a component of this practice as needed. 620 payment caps do not pertain to this practice.
- Rock Trench Drain scenario does not include 606 Subsurface drain. Schedule 606 as needed.
- Roof Gutter scenario not eligible in conjunction with 325 High Tunnel Systems. Rock trench is the only scenario eligible to be used in conjunction with a high tunnel to address concentrated flow runoff.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

367 Roofs and Covers

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
367	Flexible Membrane Cover	SQ FT	$3.89	$50,000	$57,500	Y
367	Roof Structure, 33 feet to 60 feet wide	SQ FT	$14.91	$50,000	$57,500	Y*

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Use practice narrative code 02N for Flexible Membrane Cover.
- Use practice narrative code 00N for Roof Structure, 33 to 60 ft wide.
- Any application that includes a practice needing a roof must include (367) Roofs and Covers.
- The conservation plan associated with the EQIP contract must, at a minimum, address all water quality resource concerns related to the livestock facility, if applicable. Refer to the CNMP Manure & Wastewater Handling & Storage Inspection Checklist for assistance.
- Roofs and covers are eligible over both waste storage and confined livestock area, if applicable.
- Roofs and covers for shade or hay/feed storage **are not** a priority.
- Producers are required to obtain their own Professional Engineer (no NRCS or TSP design available) IF not utilizing standard NRCS roof design.
- For Pasture Planning Land Units - Roofs and covers over a heavy use area protection (561) or other concentrated animal area are a priority to address a Storage and Handling water quality resource concern on the PLU **AND** at least one of the following will also be implemented:
    - Access Control (472) – on the same and other pasture PLUs, as applicable, to address a Water Quality – Pathogens resource concern on the farm.
    - Prescribed Grazing (528) – on the same and other pasture PLUs to address a Water Quality – Nutrient/Sediment/Pathogen resource concern.
- Flexible membrane covers eligible over liquid waste storage facilities and waste storage lagoons or in conjunction with an eligible 313 or 359 in an EQIP application.
- Use of the scenario “Roof Structure, 33 feet to 60 feet wide” is not restricted to buildings 33 feet to 60 feet wide. It can be used for any building width.
- Not a livestock practice if used on conjunction with agrichemical storage facility.

Implementation Requirements:

- Payment cap applies to each roof structure.
- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

604 Saturated Buffer

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
604	Saturated Buffer	FT	$6.99			N
604	Saturated Buffer with Automated Water Control Structure	FT	$11.73			N

Practice Scenario applicable to ranking pools:	
MRBI, NWQI	

Planning Requirements:

- See the Indiana FOTG Standard for 604 for information about planning and implementing a saturated buffer.
- Refer to (327) Conservation Cover or (342) Critical Area Planting as the seeding component in support of practice.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

Engineering As-Builts

350 Sediment Basin

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
350	Embankment Earthen Basin with Pipe	CU YD	$5.69			

Practice Scenario applicable to ranking pools:	MRBI, NWQI, WLEB
EQIP General	National Organic Initiative
EQIP Specialty Crop	

Planning Requirements:

- Embankment earthen basin with pipe is only eligible on sites with > 30-acre drainage area, otherwise use Water and Sediment Control Basin (638).
- This practice requires that the NRCS Area RMS participate in the planning and alternative discussion with the participant and planner.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-builts

646 Shallow Water Development and Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
646	Low Level Management, Natural Ponding	AC	$29.42			

Practice Scenario applicable to ranking pools:	MRBI
Wildlife Habitat Pool	

Planning Requirements:

- Eligible only on cropland.
- Payment is for the seasonal flooding/dewatering of cropland for the benefit of migratory waterfowl.
- This scenario is eligible on sites where flooding occurs naturally and will be managed for migratory waterfowl.
- Provides habitat for wildlife (shorebirds, waterfowl, wading birds, mammals, fish, reptiles, amphibians) and other species in which lifecycles require shallow water, mudflats, and/or associated vegetation.

Implementation Requirements:

- Eligible for up to three payments per contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Assistance notes from NRCS field verification
- Records of when fields were flooded/dewatered

381 Silvopasture

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
381	Bareroot Conifer Establishment	AC	$107.61			Y
381	Bareroot Trees and Shrubs with Tree Protection	AC	$28.08			Y

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Use practice narrative code 01N.
- Only species meeting the 381 standard or approved by NRCS state forester are eligible for payment.
- The payment scenario for Bareroot Conifer Seedling Establishment fits well for Indiana. See IR for species lists as conifers are not approved for this practice. Primarily hardwood trees and shrubs to be planted.
- Only eligible for adding trees to pasture for shade.
- Practice is not eligible where trees are already present.
- Five percent (5%) of planned acreage must be planted to trees.
- Not eligible for exclusion fencing.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree planting plan
- Receipts from tree purchase
- Assistance notes from field verification

207 Site Assessment and Soil Testing for Contaminants Activity (CEMA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
207	Site Evaluation for Potential Contaminants	NO	$3,041.64			
207	Site Assessment and Soil Testing for Contaminants	NO	$9,124.92			
207	Soil Testing and Subsurface Investigation	NO	$6,083.28			
207	Soil Testing for Contaminants on Low Risk Sites	kSqFt	$118.78			

Practice Scenario applicable to ranking pools:	Planning Activities
EQIP General	

Planning Requirements:

- For **Site Evaluation for Potential Contaminants**: This scenario completes just site history only and meets the requirements for Basic Site Assessment and ASTM-E1527 Environmental Site Assessment Phase I
- For **Site Assessment and Soil Testing for Contaminants**: This scenario completes site history and soil investigation and sampling is conducted. This meets the requirements for Basic Site Assessment, ASTM-E1527 Environmental Site Assessment Phase I and ASTM-E1903 Environmental Site Assessment Phase II and includes an ASTM-317 All Appropriate Inquiry
- For **Soil Testing and Subsurface Investigation**: This scenario just completes the soil sampling plan and testing for contaminants as detailed in the ASTM-E1903 Environmental Site Assessment Phase II. The Basic Site Assessment and ASTM-E1527 Environmental Site Assessment Phase I have been previously completed or soil testing needs confirmed by other documentation such as: NRCS pXRF (portable X-ray Fluorescence), state guidance on urban site reuse, or landowner has an EPA phase 1 report finding of potential contamination
- For **Soil Testing for Contaminants on Low Risk Sites**: No historic activity is known to have occurred on site to indicate contamination. However, the site is in known areas of contaminants that may now be deposited from atmosphere or precipitation. This scenario does not require ASTM-E1527 or ASTM-E1903. A qualified individual will follow soil sample collection methods and prepare as described in laboratory guidance.
- The State Office must be involved with the planner and client during the planning process, before Conservation Assessment/Ranking, for this CEMA to ensure the proper scenarios, extents, and requirements are fully understood and agreed to. Contact Stephanie McLain as early in the planning process as possible to meet this requirement.
- Prior to implementation of the CEMA, the client, Qualified Individual, and NRCS Planner must meet (in person or virtual) to ensure a consistent understanding of the client objectives, required deliverables, and characteristics of the CEMA tasks.
- A qualified individual that meets technical requirements for either Basic Site Assessment or for Phase I or II Environmental Site Assessment
    - Basic Site Assessment:
        - Qualified individual will have certification for conservation plan development and JAA as appropriate.
        - Qualified Individuals may include TSP or State or Federal Agency Partners
    - Environmental Site Assessment, Phase I or Phase II:
        - A qualified individual must be an environmental professional defined as someone who has one of these qualifications:
            - Professional Engineer's or Professional Geologist's license or registration and three years of relevant, full-time experience

- Licensed or certified by a state, tribe or the Federal government to perform all appropriate inquiries and have three years of relevant, full-time experience
- Bachelor's degree or higher in science or engineering and five years of relevant, full-time experience
- Ten years of relevant, full-time work experience

Implementation Requirements:

- The Qualified Individual will maintain an ongoing record of CEMA related discussions with the client documented on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence related to the development of the CEMA will be included in the record.
- Select qualified individual to complete this CEMA.
- Practice lifespan: 1 year

Documentation for Payment:

- Copy of completed plan that meets national CEMA 207 deliverables
- Submit to state soil health specialist, Stephanie McLain (stephanie.mclain@usda.gov)

217 Soil and Source Testing for Nutrient Management Conservation Evaluation and Monitoring Activity (CEMA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
217	Soil Test Only	NO	$1,780.24			
217	Source Water Nutrient Test	NO	$1,828.75			
217	Soil and Source Material Test	NO	$2,425.34			
217	Zone or Grid Soil Test	NO	$2,493.77			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A sampling strategy for nutrient management measuring nutrient levels in soil and or nutrient source.
- A Conservation Evaluation and Monitoring Activity (CEMA) is the assessment, monitoring, or recordkeeping activities required to plan, implement, or determine the effectiveness of conservation practices as described herein.
- Qualified Individuals as stipulated in this section perform environmental site assessments and soil test collection.
- Select the appropriate scenario based on the following:
    - **Soil test** - standard.
    - **Source water nutrient test** - typical irrigation water sampling for nutrients, may include drainage water sampling for monitoring nutrient loss or if drainage water is being reused.
    - **Soil and source material test** - manure or compost only. Sampling protocol for liquid manure includes agitation per LGU guidelines. Dry manure and compost sampling protocol per LGU guidelines.
    - **Zone or grid soil test** - 5 acres or less.
- Follow guidance found on the CEMA217 Soil and Source Testing for Nutrient Management Requirements and Deliverables document found in Section III of the eFOTG.

Implementation Requirements:

- The Qualified Individual will maintain an ongoing record of CEMA related discussions with the client documented on a conservation assistance notes form (CPA-6) or other format that includes all components of the CPA-6 (client objectives, dates of assistance, all parties present, notes of significant information, alternatives considered, and decisions reached). Any correspondence related to the development of the CEMA will be included in the record.
- Select qualified individual to complete this CEMA.
- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national CEMA 217 deliverables, including but not limited to:
    - Cover page
    - Conservation Assistance notes/correspondence
    - Maps
    - Documentation

808 Soil Carbon Amendment

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
808	100% Biochar	AC	$801.59			
808	Compost – Low Rate – Imported	AC	$80.70			
808	Compost – Moderate Rate – Imported	AC	$237.12			
808	Compost and Biochar Mix	AC	$313.16			
808	Compost, Small Scale, Intensive	kSqFt	$30.60			
808	Composting Facility Adoption	AC	$22.75			

Practice Scenario applicable to ranking pools:	
EQIP General	

Planning Requirements:

- The State Office must be involved with the planner and client during the planning process, before Conservation Assessment/Ranking, for this practice to ensure the proper scenarios, extents, and requirements are fully understood and agreed to. Contact Stephanie McLain as early in the planning process as possible to meet this requirement.
- In all cases, analysis of biochar or compost much be obtained by contract holder and provided to DC prior to application of product
    - For biochar the minimum the analysis must include pH and the content of carbon, nitrogen, phosphorus, and potassium.
    - For compost the analyses must include percent solids (% moisture), total nitrogen, total carbon, Carbon:Nitrogen (C:N) ratio, phosphorus, potassium, pH, and soluble salts (electroconductivity).
- An in-field soil health assessment is required prior to application of carbon amendment to establish a field baseline and confirm the resource concern
- Application of carbon amendment cannot create an unacceptable Nitrogen or Phosphorus loss from the site and application setbacks must be followed if sensitive areas are identified
- It is recommended that a CEMA 216-Soil Health Testing be conducted prior to application of carbon amendment and re-tested 3-5 years later but is not required. Utilize Soil Health Technical Note No. 450-03 Recommended Soil Health Indicators and Associated Laboratory Procedures, updated November 2019
- Payment rate includes the cost of material, transportation and application of the product

Implementation Requirements:

- 100% Biochar Scenario:
    - Biochar will be applied at rate of at least 1 ton/acre or 4 cu yd/acre.
        - It is better to apply small amounts of biochar over time than it is to apply a high rate of biochar all at once
    - A 20 ac. non-applied check strip is required for comparison and evaluation of biochar activity and effectiveness to address the resource concern
    - This will not be counted toward the acres of biochar applied but will be identified in plan maps
    - For application sites that have less than 20 ac. for the check strip, size will be determined on a case-by-case basis.
- Compost - Low Rate – Imported Scenario:
    - This scenario is for the application of imported compost to improve soil biology.

    - Application rates range from 1-3 tons/acre and must meet the requirements of the Nutrient Management Conservation Practice Standard (Code 590).
- Compost - Moderate Rate – Imported Scenario:
    - This scenario is for the application of imported compost to maintain or increase soil organic matter content, and improve aggregate stability, habitat for soil organisms, and plant productivity and health.
    - Application rates are greater than 3 tons/acre to a max of 8 tons/acre and must meet the requirements of the Nutrient Management Conservation Practice Standard (Code 590).
- Compost and Biochar Mix Scenario:
    - This scenario is used to apply a compost and biochar mix that contains at least 10% biochar on a volume basis to increase or improve organic matter content and improve aggregate stability, habitat for soil organisms, and plant productivity and health.
    - Total compost and biochar application rate should be a minimum of 3 tons/acre or 6 cubic yards and a max of 8 tons/aces and must meet the requirements of the Nutrient Management Conservation Practice Standard (Code 590).
- Compost, Small Scale, Intensive Scenario:
    - This scenario is used for the application of compost to small area, typically less than 1 acre.
    - This scenario is used for situations where manual labor is typically sued to apply or incorporate compost amendments
    - Minimum application rate is 10 tons/ac or 460#/1000sq. ft. and must meet the requirements of the Nutrient Management Conservation Practice Standard (Code 590).
- Composting Facility Adoption Scenario:
    - This scenario is used to facilitate the adoption of on-farm composting and the installation of a composting facility (317).
    - Compost is produced on-farm and applied to improve soil organism habitat degradation or loss, improve soil organic matter and improve aggregate stability.
    - Application rate must meet the requirements of the Nutrient Management Conservation Practice Standard (Code 590).
- For all scenarios:
    - Practice Lifespan: 1 year
    - Subsequent carbon amendment applications will be on different acres unless in-field soil health assessment of soil health testing conducted after compost application show that soil organism habitat degradation or loss is a continuing resource concern

<u>Documentation for Payment:</u>

- Receipts from material purchase
- Copy of carbon amendment analysis
- Assistance notes or field verification of acres applied and rate
- If obtained, results from soil health tests

162 Soil Health Management Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
162	Small Farm <10 Acres	NO	$2,337.56			
162	Crops, less than 5 soil health management units evaluated	NO	$2,960.91			
162	Crops, 5 or more soil health management units evaluated	NO	$3,584.25			
162	Crops and Livestock, less than 5 soil health management units evaluated	NO	$3,116.74			
162	Crops and Livestock, 5 or more soil health management units evaluated	NO	$3,895.93			
162	Organic Crops, less than 5 soil health management units evaluated	NO	$3,428.42			
162	Organic Crops, 5 or more soil health management units evaluated	NO	$4,675.11			
162	Organic Crops and Livestock, less than 5 soil health management units evaluated	NO	$4,986.79			
162	Organic Crops and Livestock, 5 or more soil health management units evaluated	NO	$6,233.48			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- The 162 DIA is the planning and designing of a practice or combination of practices and activities to treat one or more of the soil health resources concerns identified in the development of a CPA 116 or conservation plan.
- A TSP, Technical Service Provider, will be required to implement DIA 162
- The activities and practices designed and implemented will follow the 4 principles of soil health: Minimize soil disturbance, Maximize soil cover, Maximize biodiversity and Maximize living roots

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

116 Soil Health Management Plan -Conservation Planning Activity (CPA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
116	Small Farm <10 Acres	NO	$1,500.09			
116	Crops, less than 5 soil health management units evaluated	NO	$1,250.07			
116	Crops, 5 or more soil health management units evaluated	NO	$1,500.09			
116	Crops and Livestock, less than 5 soil health management units evaluated	NO	$1,500.09			
116	Crops and Livestock, 5 or more soil health management units evaluated	NO	$1,750.10			
116	Organic Crops, less than 5 soil health management units evaluated	NO	$1,500.09			
116	Organic Crops, 5 or more soil health management units evaluated	NO	$1,750.10			
116	Organic Crops and Livestock, less than 5 soil health management units evaluated	NO	$1,750.10			
116	Organic Crops and Livestock, 5 or more soil health management units evaluated	NO	$2,000.12			

Practice Scenario applicable to ranking pools:	Planning Activities

Planning Requirements:

- A Soil Health Management Plan is used to identify and document soil health resource concerns and develop a transitional cropping management plan to improve overall soil health. The plan includes management activities and/or land management practices to address all 4 soil health principles associated with crop and forage production. The plan is developed for the following primary purposes: improve soil organic matter levels, reduce compaction, improve soil organism habitat, increase aggregate stability, improve plant productivity and health, reduce sediment transported to surface water and/or reduce sheet and rill erosion. This plan does not apply to pasture, rangeland, or forestland.
- Conduct a whole-farm inventory and evaluate and document current conditions. Inventory operation by conservation management unit (CMU).
- Work with state soil health specialist to determine the number of management units in the farm
- Identify resource concerns and develop a plan to assist the producer with adopting new practices that comprise a soil health management system on that operation.
- Irrigated systems should consider an irrigation water suitability lab analysis.
- Select TSP from NRCS Registry certified for this CPA.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan and NRCS CPA116 deliverables
- Completed Cropland In-Field Soil Health Assessment Worksheet

216 Soil Health Testing Conservation Evaluation and Monitoring Activity (CEMA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
216	Basic Soil Health Suite + Chemical	NO	$140.99			
216	Basic Soil Health Suite	NO	$102.44			
216	Basic Soil Health Suite – Single Indicator	NO	$31.08			

Practice Scenario applicable to ranking pools:	Planning Activities
EQIP General	

Planning Requirements:

- This is the testing for physical, biological or chemical characteristics of soil and constraints using approved lab methods
- **Basic Soil Health Suite Tests include:**
  - Soil Organic Carbon
  - Active Carbon
  - Respiration
  - Aggregate Stability
  - ACE Protein
- **Basic Soil Health Suite-Single Indicator Test Includes:**
  - Any other recommended indicator or method from Table 1 of SH Tech Note 450-03 or other tests approved at the state level
  - This could be for those who just want to look at one assessment
  - Can be one of the tests from the basic soil health tests or others from the Table for example:
    - PLFA (phospholipid fatty acid) to look at microbial diversity
    - Enzyme activity
- **Basic Soil Health Suite + Chemical Tests include**:
  - The 5 basic soil health tests listed for the basic soil health test
  - In addition, a standard soil test will be taken to evaluate fertility
  - Recommend if soil fertility tests are more than 2 years old
  - Recommended if tests such as EC (electrical conductivity) have not been completed before
- Utilize Soil Health Technical Note No. 450-03 Recommended Soil Health Indicators and Associated Laboratory Procedures, updated November 2019
- The State Office must be involved with the planner and client during the planning process, before Conservation Assessment/Ranking, for this CEMA to ensure the proper scenarios, extents, and requirements are fully understood and agreed to. Contact Stephanie McLain as early in the planning process as possible to meet this requirement.
- Prior to implementation of the CEMA, the client, Qualified Individual, and NRCS Planner must meet (in person or virtual) to ensure a consistent understanding of the client objectives, required deliverables, and characteristics of the CEMA tasks.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Soil Health test results

- Soil Health Scoring results

574 Spring Development

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
574	Horizontal Pipe with Collection Box	NO	$1,813.08			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLFW Northern Bobwhite
NWQI, WLEB	

Planning Requirements:

- (574) Spring Development is only eligible to be scheduled where livestock will be excluded from stream or, wetlands currently being used as a watering source for grazing livestock or to develop an existing, undeveloped spring currently being used as a livestock watering source.
- A wetland determination may be required to ensure wetland compliance requirements met.
- Planners must ensure considerations have been made so that wildlife are not negatively impacted by developing a spring.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

442 Sprinkler System

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
442	Conversion to Center Pivot or Linear Move System	FT	$50.65			
442	Sprinkler Conversion to Low Pressure	FT	$4.84			

Practice Scenario applicable to ranking pools:	MRBI, NWQI

Planning Requirements:

- Payment is for upgrading existing systems to make them more energy and/or water efficient.
- The need for upgrading the existing system to be more energy and/or water efficient must be identified in an Irrigation Water Management Plan meeting the 118 standard prior to receiving payment.
- **Upgrade must include one or both of the following:**
  1. **Nozzle replacement of different type or to replace if > 5 years old.**
  2. **Pressure regulator replacement or installation.**
- Participant must also implement Irrigation Water Management (449) prior to receiving payment for 442.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-builts

578 Stream Crossing

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
578	Concrete Crossing	SQ FT	$7.36			Y
578	Culvert Installation	DIA-IN FT	$3.09			Y
578	Rip Rap Crossing	SQ FT	$3.88			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, WLEB

Planning Requirements:

- See the IN FOTG standard 578 for considerations and requirements.
- EQIP assistance is only available for this practice for current grazing systems where there is an existing resource concern and there is a need to provide stable crossing for livestock.
- The unit type of “diameter inch-feet” is calculated by multiplying the culvert diameter in inches by the length in feet. Example 30 inch diameter, which is 40 feet long is 30 X 40 = 1,200 IN FT.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

395 Stream Habitat Improvement and Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
395	Riparian Zone Improvement, Forested	AC	$2,737.71			

Practice Scenario applicable to ranking pools:	Wildlife Habitat Pool
NWQI	

Planning Requirements:

- Contact the State Biologist and/or State Conservation Engineer for additional guidance prior to including this practice in an EQIP application.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Engineering As-Builts

580 Streambank and Shoreline Protection

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
580	Stone Toe protection with Vegetation	FT	$44.36	$8,000	$8,000	

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	
NWQI	

Planning Requirements:

- **This practice may only be used as a supporting practice with practice 582 Open Channel-Two Stage Ditch.**

Implementation Requirements:

- Eligible for only one payment per contract.
- Payment cap is per participant.
- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

585 Stripcropping

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
585	Stripcropping – wind and water erosion	AC	$1.36			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	
MRBI, NWQI, WLEB	Climate Smart

Planning Requirements:

- Crop Strips will be no wider than 360 feet.

Implementation Requirements:

- Eligible for only one payment per contract.
- Practice Lifespan: 5 years

Documentation for Payment:

- Assistance notes of NRCS site inspection OR
- Records provided by participant

587 Structure for Water Control

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
587	Inline Stoplog WCS, Surface Water Control 6-10 in Diameter Pipe*	EA	$2,820.09			
587	Inline Stoplog WCS, Surface Water Control 12-18 in Diameter Pipe*	EA	$4,581.30			
587	Inline Stoplog WCS, Surface Water Control >18 in Diameter Pipe*	EA	$8,002.60			
587	Inline WCS, Subsurface Drainage Control, Float Activated Head Pressure Valve*	EA	$1,021.61			
587	Automated DWM Structure*	EA	$5,792.66			
587	Automation Retrofit to Manual Drainage Water Management Control Structure*	EA	$3,780.46			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- **Drainage Water Management Pipe, 6-10" Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlet sizes 10" or less.
- **Drainage Water Management Pipe, 12-18" Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlets sized 12" or larger.
- **Drainage Water Management Pipe, > 18" Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlets sized larger than 18".
- 587 scenarios include main (606) Subsurface Drain.
- (606) Subsurface Drain only eligible as a secondary main in support of 587 Structure for Water Control and 554 Drainage Water Management. 587 and 544 must both be scheduled in the contract and the planned secondary main must be installed as non-perforated only.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

649 Structures for Wildlife

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
649	Edgefeathering, heavy*	AC	$990.66			
649	Escape Ramp*	NO	$76.30			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	Wildlife Habitat Pool
WLFW Northern Bobwhite	

Planning Requirements:

- See FOTG standard 649 Structures for Wildlife and 647 Early Successional Habitat Development and Management (edge feathering) for considerations and requirements.
- Select the appropriate priority species when practices are planned for the WLFW projects.

Implementation Requirements:

- Practice Lifespan: 5 years

Documentation for Payment:

- Assistance notes from NRCS field verification.

606 Subsurface Drain

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
606	≤ 5” Corrugated Plastic Pipe	FT	$1.94			
606	6” Corrugated Plastic Pipe	FT	$2.40			
606	8” Corrugated Plastic Pipe	FT	$4.42			
606	10” Corrugated Plastic Pipe	FT	$5.74			
606	12” Corrugated Plastic Pipe	FT	$6.70			
606	≥ 15” Corrugated Plastic Pipe	FT	$10.23			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLEB
MRBI	RCPP Big Pine

Planning Requirements:

- 606 is paid only as a supporting practice to another EQIP practice in the schedule of operations.
- Payment is not to exceed the payment on the EQIP practice that 606 is supporting with exception to (412) Grassed Waterway and (587) Structure for Water Control.
- 606 planned as supporting practice to 412 is capped based on all associated practices. Example: 412 planned with 484 and 410 as associated practice. 606 cap based on combination of 410, 412, and 484.
- 606 planned as supporting practice to 587 is only eligible as a secondary main in support of 587 Structure for Water Control and 554 Drainage Water Management. 587 and 544 must both be scheduled in the contract and the planned secondary main must be installed as non-perforated only.
- In conjunction with a Grassed Waterway or Diversion, payment is limited to payment rate of 8" tile.
    - Exception: Where an existing tile crosses a Grassed Waterway or Diversion and needs to be replaced, payment will be for replacement of the existing tile for the width of the waterway, but diameters greater than 15" will be paid at the 15" rate.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

600 Terrace

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
600	Grassed Terrace, with Topsoiling, Crop Season Construction	FT	$4.87			

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative
MRBI, NWQI	

Planning Requirements:

- (600) Terrace does not include the cost of seeding. Schedule (342) Critical Area Planting as the seeding component.
- Only offering 1 scenario, regardless of when terrace is planned to be constructed.
- Scheduling temporary seeding for all disturbed areas left unvegetated and/or planted outside seeding dates. Schedule (340) Cover Crop as needed.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

575 Trails and Walkways

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
575	Trail or Walkway, Rock/Gravel on Geotextile	FT	$5.73	$2,750		Y
575	Trail or Walkway, Vegetated	FT	$1.17	$600		Y

Practice Scenario applicable to ranking pools:	NWQI, WLEB
EQIP General	National Organic Initiative
EQIP Specialty Crop	

Planning Requirements:

- Land must be under a current prescribed grazing plan, or a plan must be written and implemented for the land unit where this practice is planned.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

140 Transition to Organic Design and Implementation Activity (DIA)

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
140	High Complexity, 1 -4 CPS	NO	$9,408.98			
140	High Complexity, 5+ CPS	NO	$12,046.40			
140	Low Complexity 1-4 CPS	NO	$3,660.51			
140	Low Complexity, 5+ CPS	NO	$7,272.67			

Practice Scenario applicable to ranking pools:	National Organic Initiative

Planning Requirements:

- Agricultural operation where producer will transition from conventional production to organic production. They will meet the USDA National Organic Program (NOP) requirements. All Natural resources will be addressed: Soil, Water, Air, Plants and Animals.
- Select the appropriate scenario based on the following:
    - Select '**Low Complexity**' if resource concerns will be addressed with low complexity conservation practices. Low complexity conservation practices may include: cover crops, crop rotation, reduced tillage, conservation plantings, and minor structural practices for erosion control such as grassed waterways and diversions.
    - Select '**High Complexity**' if resource concerns will be addressed with high complexity conservation practices. High complexity conservation practices may include: management practices for nutrients, pests, grazing, irrigation, etc. And structural practices such as waste storage facility and wetland practices.

Implementation Requirements:

- The TSP will maintain an ongoing record of CPA related discussions with the client. The TSP will document on conservation six notes (CPA-6) or other format, the client objectives, dates of assistance, all parties present, notes of significant assistance provided, alternatives considered, and decisions reached. Any correspondence between the TSP and the client related to the development of the CPA will be included in the record.
- Select TSP from TSP Registry certified for this CPA.

Practice Lifespan: 1 year

Documentation for Payment:

- Copy of TSP completed plan that meets national DIA 140 deliverables, including but not limited to:
    - Conservation Assistance notes/correspondence
    - Maps
    - Conservation Plan
    - Resource Inventory and Assessment Documentation

612 Tree/Shrub Establishment

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
612	Hardwood Establishment, Bare Root	AC	$844.28			
612	Tree/Shrub Planted Area with Protection	AC	$895.76			
612	Tree/Shrub Regeneration Area with Protection	AC	$663.80			
612	Container Trees and Shrubs 2 gallon and larger, Each	NO	$12.68			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Wildlife Habitat Pool
EQIP Specialty Crop	WLFW Northern Bobwhite
GLRI Nearshore Health, GLRI Invasive Species	
MRBI, NWQI, WLEB	Climate Smart

Planning Requirements:

- Use practice narrative code 01N for all scenarios.
- When planting on existing forestland, a forest plan must be developed prior to implementation of this practice. When planting on land not yet forested, a forest plan is not needed. Use forestland ranking questions
- Only plantings meeting the 612 standard are eligible for payment.
- Protection scenarios involve a temporary 8' high fencing materials or poly netting, designed to be moved when regeneration is established. No larger than 15 acres, as to not impede local native wildlife movement. See Purdue's How to Build a Plastic Mesh Deer Exclusion Fence. https://www.edustore.purdue.edu/item.asp?Item_Number=FNR-486-W and Indiana NRCS Forestry Tech Note: Tree and Shrub Area Protection with Temporary Poly Netting. NOTE: other protective measures from wildlife damage are acceptable as recommended by a professional forester or wildlife biologist if site conditions make temporary fencing infeasible.
- 612 Container Trees, Regeneration with Protection and Planted with Protection must be recommended by a professional forester or wildlife biologist.
- Container scenario is mainly used in forest openings to add a species (such as Oaks) that is lacking or not expected to naturally regenerate. The larger stock will provide additional starting height to allow for competition with other seedlings. The container stock will supplement natural regeneration thus fewer container trees are needed per acre than typical bareroot tree plantings.
- Protection scenarios are only offered in areas where deer predation could be high, as prescribed by a forester or wildlife biologist.
- Select the appropriate priority species in CD when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree planting plan (developed by IDNR professional, TSP or other forestry professional)
- Receipts from tree purchase
- Assistance notes from field verification

660 Tree/Shrub Pruning

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
660	Pruning	EA	$0.65			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	WLEB
EQIP Specialty Crop	

Planning Requirements:

- Use practice narrative code 00N.
- Payment is per tree pruned. Not to exceed 150 trees per acre.
- Payment only for pruning of plantation hardwood crop trees (Black Walnut, Black Cherry, and Oak Species).
- A Forestry Plan meeting Forest Management Plan-Written (CPA 106) standard must be developed prior to receiving payment.
- NOTE: A plan developed outside of EQIP financial assistance for 106 meets this requirement as long as the plan meets the CPA 106 standard.
- Forest Stewardship Plan plus IDNR-NRCS Planning Sheet written by the IDNR may meet this requirement.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Assistance notes from field verification

490 Tree/Shrub Site Preparation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
490	Light Mechanical (or Two Chemical)	AC	$95.06			
490	Light Mechanical with Chemical	AC	$133.65			

Practice Scenario applicable to ranking pools:	GLRI Invasive Species
EQIP General	Wildlife Habitat Pool
	MRBI, WLEB

Planning Requirements:

- Refer to the FOTG standard for CPS 490 for details of planning and implementing this practice
- Also refer to Indiana FOTG 612 Standard and 612 Tree/Shrub Planting Plan (Site Prep and Weed Control section)
- Where there is an erosion potential, a temporary cover will be established.
- Chemical Application scenario involves the use of various herbicides applied using ground-based machinery in order to remove undesirable vegetation and improve site conditions for establishing trees/shrubs. Treatment can be done before or after planting.
- Chemical applications are on whole field or using narrow bands (2'-3' wide) on each side of a plant row. Payment is based on impacted acres only. Band spraying will need to be reduced to actual acres treated. For example, a 4.5ft wide band on a 10ft wide tree row spacing would reduce the acres by 45%.
- Light Mechanical scenario involves the use of light/moderate machinery to clear above ground vegetation and to also rip/cut/lift underground root systems in order to improve site conditions for establishing trees/shrubs.
- Light Mechanical can also be used when Two Chemical Applications are necessary in one contract year. Indiana will be utilizing the "Light Mechanical" scenario to pay for this practice. "Light Mechanical" will be selected during contracting with the Two Chemical Application narrative. Payment is based on impacted acres only. Treatment can be done before or after planting.
- Light Mechanical with Chemical scenario involves the use of light/moderate machinery (such as chainsaw, mower, and/or brush hog) to clear above ground vegetation and/or to till underground root systems (primarily sod forming grasses) followed by appropriate herbicide application to improve site conditions for establishing trees and/or shrubs. This scenario can be used in tree/shrub planting and in areas naturally regenerating to trees. In forestlands that have been harvested this scenario can be used to treat undesirable vegetation to encourage regeneration of desirable woody species (such as oaks).
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Tree planting plan (when associated with a tree planting).
- Receipts for work completed
- Assistance notes from field verification

620 Underground Outlet

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
620	≤ 5” Diameter Pipe	FT	$2.43			
620	6” Diameter Pipe	FT	$2.95			
620	8” Diameter Pipe	FT	$4.94			
620	10” Diameter Pipe	FT	$6.50			
620	≥12” Diameter Pipe	FT	$7.61			
620	Trickle Flow Collector	FT	$62.45			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLEB
MRBI, NWQI	

Planning Requirements:

- 620 is paid only as a supporting practice to another EQIP practice in the schedule of operations.
- Payment is not to exceed the payment on the other EQIP practice that 620 is supporting with exception to (558) Roof Runoff Structure.
- Diameters greater than 12 inches will be paid at the 12-inch diameter rate.
- Trickle Flow Collector measured by the width of the collector area. Example: 10 ft long by 30 feet wide by 1.5 deep collector would have a 30 feet unit of measurement.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

620 Underground Outlet – Blind Inlet for Water Quality

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
620	Blind Inlet for Water Quality*	CU YD	$52.61			

* Denotes High Priority Practice

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	Edge of Field Water Quality Monitoring
MRBI, NWQI, WLEB	National Organic Initiative

Planning Requirements:

- **Eligible only when using the "Blind Inlet" design to convert existing tile risers to blind inlet.**
- The unit of “CU YD” is measured as the volume of aggregate material for the inlet.
- The drainage area contributing to the inlet that is under the control of the applicant and within the PLU must be managed using a conservation cropping system (Including all the following: 329, 340 & 590 Enhanced) to limit sediment and nutrients entering the inlet.
- Producer must provide sufficient documentation of existing tile including diameter, type, and location by map or flagging and verify the system is in working condition for the design.
- Participant must be informed that a blind inlet design is for the benefit of water quality and draw-down time will be slower than a typical tile riser. This may result in crop stress and maintenance will be required to maintain adequate drainage.
- The cost of the tile within the blind inlet area is included in the payment rate.
- Tubing within the Blind Inlet for Water Quality included in practice scenario.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Engineering As-Builts

645 Upland Wildlife Habitat Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
645	Habitat Monitoring and Management, High Intensity and Complexity	AC	$24.33			

Practice Scenario applicable to ranking pools:	Wildlife Habitat Pool
EQIP General	WLFW Northern Bobwhite
WLFW Monarch Butterfly	GLRI Invasive Species
MRBI	

Planning Requirements:

- Use practice narrative code 01N.
- Payment is for the participant to perform annual monitoring and evaluation at least 3 times annually (after winter, during the growing season, prior to winter) to determine if the objectives of the habitat practices are met, and to take appropriate action as needed each year.
- Monitoring and evaluation will include checking for unwanted species encroachment (invasive species, non-wildlife-friendly species such as tall fescue, Reed Canary grass, etc.); ensuring plant species are present for diversity objectives; plant species are present at desired levels; access to habitat areas for maintenance activities are accessible; firebreaks and structures are being maintained to meet their objectives; animal species and numbers are at desired levels; etc.
- Appropriate action may include additional inter-planting; additional cutting; additional planting; spot treatments; management (Prescribed Burning, disking, spraying, etc.); maintenance of access areas; maintenance of firebreaks and structures; animal species eradication or control; etc.
- This practice may be scheduled (and is up to three years. Use the appropriate monitoring implementation requirements, either New Habitat Monitoring for the establishment of habitat, or Existing Habitat Monitoring for practices completed on existing habitat.

Implementation Requirements:

- Eligible for up to three payments in a contract.
- Practice Lifespan: 1 year

Documentation for Payment:

- Annual monitoring, evaluation, and appropriate checklist.

635 Vegetative Treatment Area

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
635	VTA – Constructed Vegetative Area with Flow Distribution	AC	$5,789.28			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Schedule (632) Waste Separation Facility as needed as a component of this practice.
- Schedule (327) Conservation Cover or (342) Critical Area Planting, Native or Introduced Vegetation– Normal Tillage scenarios as the seeding component in support of practice.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Assistance notes from NRCS site inspection
- Engineering As-builts

360 Waste Facility Closure

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
360	Earthen Basin Closure with Sludge Removal	SQ FT	$0.69			Y
360	Demolition of Concrete Waste Storage Structure, Walls >6 ft	SQ FT	$1.89			Y

Practice Scenario applicable to ranking pools:	MRBI, NWQI, WLEB
EQIP General	National Organic Initiative
EQIP Specialty Crop	

Planning Requirements:

- Payment amount is calculated as top dimensions area of existing facility to be closed.
- Requires the application/transfer of manure according to the Indiana 590 Nutrient Management Standard. Utilize either the Nutrient Management Plan (CAP104) and/or the appropriate EQIP 590 scenario as necessary. Concrete structure scenario can be used for any building depth, not limited to <= 6 ft structures.
- Schedule (342) Critical Area Planting, small area disturbance as the seeding component in support of practice.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts
- Assistance notes from field verification

632 Waste Separation Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
632	Concrete Basin	CU FT	$4.13			Y
632	Mechanical Separation Facility	EA	$43,685.17			Y

Practice Scenario applicable to ranking pools:	MRBI, NWQI, WLEB
EQIP General	GLRI Nearshore Health
EQIP Specialty Crop	National Organic Initiative

Planning Requirements:

- Concrete Basin scenario payment based on cubic feet of storage needed.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

313 Waste Storage Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
313	Earthen Storage Facility	CU FT	$0.17	$75,000	$86,250	Y
313	Dry Stack Facility-Concrete Floor with Concrete Sidewalls	CU FT	$2.07	$75,000	$86,200	Y
313	Composted Bedding Pack, 6 inch Reinforced Concrete Floor	SQ FT	$9.85	$75,000	$86,200	Y
313	Concrete Tank Open Top <5,000 CU FT Storage	CU FT	$4.58			Y
313	Concrete Tank Open Top 5,000-7,499 CU FT Storage	CU FT	$4.20			Y
313	Concrete Tank Open Top 7,500-14,999 CU FT Storage	CU FT	$3.14			Y
313	Concrete Tank Open Top 15,000 – 49,999 CU FT Storage	CU FT	$1.76			Y
313	Concrete Tank Open Top 50,000-109,999 CU FT Storage	CU FT	$1.34			Y
313	Concrete Tank Open Top ≥110,000 CU FT Storage	CU FT	$1.13			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- **EQIP may not be used to implement practices to establish new Animal Feeding Operations.** A CNMP (CAP102 or CPA102/DIA101) is required to be developed for operations where EQIP assistance is provided for a 313 prior to ranking an application for 313. A CNMP is required to be developed for operations where EQIP assistance is provided for a 313 prior to ranking an application for 313.
- Participants are no longer required to implement all practices cited in the CNMP, when receiving EQIP funding for a 313 by the end of that contract. Participants may progressively implement practices cited in the CNMP, provided that the following are met:
    - The practice or practices included in the schedule of operation help address or improve a resource concern and are operable and function as intended when implemented, and
    - The producer must follow an existing nutrient management plan, or a nutrient management practice is included in the contract that adequately addresses the application of animal waste, (unless all the manure is exported).
    - The producer must select the practices in the system that will treat the resource concerns to a level that meets or exceeds the planning criteria in the FOTG. This means the primary practice selected by the producer and all facilitating practices must meet or exceed the planning criteria.
    - **Example:** If a producer decides to address water quality issues associated with an inadequate animal waste storage system with a dry-stack system, the participant will need to address all clean water coming into the system and all polluted water leaving the system. This may require additional supporting practices, such as a roof and cover, roof runoff management, etc. Other than a nutrient management plan, producers are not required to address resource concerns associated with other parts of their headquarters or field operations.
- To ensure all resource concerns are identified with suitable alternatives to address them, it is strongly recommended that a CNMP be completed and discussed with the producer, engineers, and TSP/consultants prior

to processing applications for 313. If the NRCS planner and engineer complete a full Inventory and Evaluation of the livestock production facilities and land-application acres to identify all resource concerns required by the CNMP standard, and these analyses, data and alternatives are shared and coordinated with the producer and TSP/consultant during the CNMP development phase, an application for both practice implementation and a CNMP may be evaluated during the same ranking period for non-expanding AFOs.

- Refer to the CNMP Manure and Wastewater handling and Storage Inspection Checklist for assistance.
- Schedule (367) Roofs and Covers as needed. (313) payment rates do not include the cost of roofs or covers.
- Animal Waste Management software (v2.4.0 or later) will be used to determine the size of the total storage facility and the subsequent amount eligible for payment. The animal numbers used to calculate the design size must be referenced in the O&M requirements for the life of the contract.
- This practice requires an NRCS Engineer participate in the planning and alternative discussion with participant and planner and provide a cost estimate prior to being added to an application.

Closing Existing Facilities to Relocate

- Existing storage/production facilities may be moved to a land unit where there is not currently waste storage only if the following apply:
  1. Moving a production/storage facility to a new location for an environmental benefit such as moving away from sensitive areas and/or assistance for storage needs up to 180 days of storage and closing the current confined facility is an eligible scenario for EQIP assistance.
  2. The applicant must have completed all applicable permit requirements and been approved, if applicable.
  3. The current confined production/storage facility will be closed according to (360) Waste Facility Closure and will no longer be used for livestock production or waste storage. **Closure of current facility must be scheduled in the same contract.**
  4. Payment for the storage facility replacing the closed production/storage facility and moving to a new location must be based only on storage capacity for the existing herd size.
  5. When the production/storage facility is moving to a new location and the herd size will increase, the participant must install adequate storage to maintain current number of day's storage though payment is limited to the size of the storage facility needed for the existing herd size.
  6. The replacement production/storage facility will not be installed on land types other than existing farmstead, crop or pasture land types.

Feeding Areas in Grazing Systems (Animals excluded from grazed areas, e.g. Winter Feeding Areas)

Waste storage facilities for grazing systems are eligible if the following apply:

- Schedule Composted Bedding Pack, 6 inch Reinforced Concrete Floor scenario for winter feeding areas.
- A Grazing plan has been written to document that the operation has been fully evaluated to determine that there is an adequate forage base to support a grazing system, producer has adequate equipment and land to spread manure on, livestock will be excluded from pasture areas during winter feeding period.
- Livestock must not be confined for more than needed for winter feeding according to the grazing plan.

Where composted bedding pack (dry pack) buildings are planned, design must either utilize the standard NRCS roof design or be obtained by a Professional Engineer at participant's expense.

Cropland with Satellite Manure Storage/Manure Staging Areas

- If offered land has no animals but has been collecting and storing manure from another farm, then the applicant must have a contract to receive manure at the site for the length of the EQIP contract. The site must also currently be used for staging manure and the planner must evaluate that the current staging is actually causing a resource concern. Staging of manure does not automatically mean that a resource concern exists.
- **The planned new storage area must be placed in a location for planned manure applications on fields with a soil test phosphorus level less than 50 ppm.**

- Participant must provide NRCS with a copy of the contract to receive manure at the time of program application.
- Participant must agree to implement 590 Basic NM with Manure and/or Compost or 590 NM GRID/ZONE Soil Sampling, Variable Rate-Deep Placement on all fields where manure is spread from the new staging facility.

Implementation Requirements:

- Payment cap is applicable per storage facility needed.
- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

634 Waste Transfer

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
634	Concrete channel with Curb	SQ FT	$6.11	$5,000	$6,000	Y
634	Manure Auger	EA	$6,223.16			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Waste Transfer is only eligible for EQIP assistance to address existing resource concerns caused from transfer of livestock waste to a waste storage facility (including 313 Waste Storage Facility, 359 Waste Treatment Lagoon, 316 Animal Mortality Facility and 317 Composting Facility), or in conjunction with a planned waste storage facility, and where suitable alternatives for changes in management have been evaluated during the planning process but are not possible.
- Waste Transfer is not eligible for resource concerns associated with: vehicle storage/parking, typical vehicle operation such as turning/backing/staging/parking areas, hay storage, Access Roads (refer to 560) or other typical farm-management operations not directly related to livestock waste management.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

629 Waste Treatment

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
629	Milking Parlor Waste Treatment System with Dosing System	EA	$7,221.42			Y

Practice Scenario applicable to ranking pools:	MRBI, NWQI, WLEB

Planning Requirements:

- Refer to the FOTG for more information on planning and implementing CPS 629.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

359 Waste Treatment Lagoon

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
359	Waste Treatment Lagoon	CU FT	$0.13	$75,000	$86,250	Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	NWQI

Planning Requirements:

- Schedule (367) Roofs and Covers as needed. (359) payment rates do not include the cost of roofs or covers.
- **EQIP may not be used to implement practices to establish new Animal Feeding Operations**
- A CNMP (CAP102 or CPA102 / DIA101) is required to be developed for operations where EQIP assistance is provided for a 359 prior to ranking an application for 359.
- Participants are no longer required to implement all practices cited in the CNMP, when receiving EQIP funding for a 359 by the end of that contract. Participants may progressively implement practices cited in the CNMP, provided that the following are met:
    - The practice or practices included in the schedule of operation help address or improve a resource concern and are operable and function as intended when implemented, and
    - The producer must follow an existing nutrient management plan, or a nutrient management practice is included in the contract that adequately addresses the application of animal waste, (unless all the manure is exported).
    - The producer must select the practices in the system that will treat the resource concerns to a level that meets or exceeds the planning criteria in the FOTG. This means the primary practice selected by the producer and all facilitating practices must meet or exceed the planning criteria.
    - **Example:** If a producer decides to address water quality issues associated with an inadequate animal waste storage system with a dry-stack system, the participant will need to address all clean water coming into the system and all polluted water leaving the system. This may require additional supporting practices, such as a roof and cover, roof runoff management, etc. Other than a nutrient management plan, producers are not required to address resource concerns associated with other parts of their headquarters or field operations.
- To ensure all resource concerns are identified with suitable alternatives to address them, it is strongly recommended that a CNMP be completed and discussed with the producer, engineers, and TSP/consultants prior to processing applications for 313. If the NRCS planner and engineer complete a full Inventory and Evaluation of the livestock production facilities and land-application acres to identify all resource concerns required by the CNMP standard, and these analyses, data and alternatives are shared and coordinated with the producer and TSP/consultant during the CNMP development phase, an application for both practice implementation and a CNMP may be evaluated during the same ranking period for non-expanding AFOs.
- Animal Waste Management software (v2.4.0 or later) will be used to determine the size of the existing storage facility and the subsequent amount eligible for payment.
- If the eligible size is different from the actual design size, the designing engineer will provide AWM printout for each to be saved in the contract folder and labeled clearly. The animal numbers used to calculate the design size must be referenced in the O&M requirements for the life of the contract.
- This practice requires an on-site engineering review and cost-estimate by a NRCS Engineer prior to being added to an application.

Closing Existing Facilities to Relocate

- Existing storage/production facilities may be moved to a land unit where there is not currently waste storage only if the following apply as noted as an exception to 440 CPM Part 530.403 D:
    1. Moving a production/storage facility to a new location for an environmental benefit such as moving away from sensitive areas and/or assistance for storage needs up to 180 days of storage and closing the current confined facility is an eligible scenario for EQIP assistance.
    2. The current confined production/storage facility will be closed according to (360) Waste Facility Closure and will no longer be used for waste storage. **Closure of current facility must be scheduled in the same contract.**
    3. Payment for the storage facility replacing the closed production/storage facility and moving to a new location must be based only on storage capacity for the existing herd size.
    4. When the production/storage facility is moving to a new location and the herd size will increase, the participant must install adequate storage to maintain current number of day's storage though payment is limited to the size of the storage facility needed for the existing herd size.
    5. The replacement production/storage facility will not be installed on land types other than existing farmstead, crop or pasture land types.

Implementation Requirements:

- Payment cap is applicable per storage facility needed.
- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

638 Water and Sediment Control Basin

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
638	Base, crop seasonal construction	CU YD	$2.64			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	MRBI, NWQI, WLEB

Planning Requirements:

- Water and Sediment Control Basin (638) requires the following three conditions to be met to be eligible for payment:
  1. Nutrient Management (590) and Pest Management Conservation System (595) must already be implemented or scheduled within the year the structure is being built.
  2. Fields within the watershed of the structure must be managed to "T", or practices (329/345) must be scheduled in the year the structure is built that brings the soil loss to "T". Not managing to T through the lifespan of the practice may result in increased operation and maintenance costs and ineligibility for future repairs with financial assistance.
  3. All requirements apply within the entire drainage area of the WASCOB, whether on the applicant's land or adjacent land.
- For existing WASCOBs to be eligible, WASCOB system must have exceeded the ten-year lifespan.
- Underground outlet (620) should be added as a supporting practice as needed.
- Encourage the construction of WASCOBs after small grain harvest and/or establish cover crops or mulch immediately after construction to minimize erosion.
- Only offering 1 scenario, regardless of when WASCOB is planned to be constructed.

Scheduling temporary seeding for all disturbed areas left unvegetated. Schedule (340) Cover Crop as needed.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

642 Water Well

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
642	Deep Drilled Well > 100 FT	FT	$23.10			Y

Practice Scenario applicable to ranking pools:	EQIP Specialty Crop
EQIP General	National Organic Initiative
MRBI, NWQI, WLEB	

Planning Requirements:

- (642) Water Well only eligible when used for grazed livestock watering.
- Drilled Well scenario >100 FT may be used for any depth well.
- Eligible to increase the depth of an existing well if existing well does not currently provide adequate livestock water. If used for increasing depth of existing well, payment is only eligible for the cost of additional drilling or digging depth.
- Schedule Pumping Plant (533) for pump separately.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Completed Well Report

614 Watering Facility

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
614	Large Permanent Tank, 450-1000 GAL, or Fountain	NO	$1,002.88			Y
614	Portable Tank	NO	$169.74			Y

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLFW Northern Bobwhite
MRBI, NWQI, WLEB	

Planning Requirements:

- 614 may only be used to meet daily water requirements and improve animal distribution. Not eligible for providing water to a confined livestock facility.
- Portable tanks will be utilized on multiple sites and not planned for each watering location.
- Schedule Heavy Use Area Protection (561) as needed for portable tanks.
- Heavy Use Area Protection (561) required for all permanent tanks and must be scheduled in the contract.

Implementation Requirements:

- Practice Lifespan: 10 years

Documentation for Payment:

- Engineering As-Builts

351 Well Decommissioning

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
351	Drilled ≤ 100 FT	EA	$607.41			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	NWQI, WLEB
EQIP Specialty Crop	

Planning Requirements:

- See IN FOTG Standard 351 for considerations and requirements.
- Payment is for any well type at any depth. Eligibility is not limited to wells below 100 FT.

Implementation Requirements:

- Practice Lifespan: 20 years

Documentation for Payment:

- Assistance notes from field verification

658 Wetland Creation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
658	Excavated	AC	$3,330.73			
658	Embankment	AC	$3,021.24			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Nearshore Health, Invasive Species	MRBI, NWQI, WLEB

Planning Requirements:

- Schedule (327) Conservation Cover as the vegetation component for 658.
- Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under (327) Conservation Cover.
- Construction of nesting islands is NOT eligible for compensation.
- Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

659 Wetland Enhancement

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
659	Mineral Flat, Tile Removal	AC	$354.47			
659	Depression Sediment Removal and Ditch Plug	AC	$2,361.36			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	
EQIP Specialty Crop	Wildlife Habitat Pool
GLRI Nearshore Health, GLRI Invasive Species	MRBI, NWQI, WLEB

Planning Requirements:

- Mineral Flat Tile Removal scenario is to be used for projects with tile breaks and minimal seeding only.
- Schedule (420) Wildlife Habitat Plantings as the vegetation component for 659.
- Depression Sediment Removal and Ditch Plug involves macro-topography, levees, structures
- Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under (420) Wildlife Habitat Planting.
- Construction of nesting islands is NOT eligible for compensation.
- Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

657 Wetland Restoration

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
657	Tile Break	EA	$382.06			
657	Depression Sediment Removal and Ditch Plug	AC	$2,361.36			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health, GLRI Invasive Species
EQIP General	National Organic Initiative
EQIP Specialty Crop	Wildlife Habitat Pool
MRBI, NWQI, WLEB	

Planning Requirements:

- Tile Break scenario is to be used for projects with ONLY tile breaks.
- Schedule (420) Wildlife Habitat Plantings as the vegetation component for 657.
- Depression Sediment Removal and Ditch Plug involves macro-topography, levees, and structures.
- Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under (420) Wildlife Habitat Plantings.
- Construction of nesting islands is NOT eligible for compensation.
- Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Engineering As-Builts

644 Wetland Wildlife Habitat Management

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
644	Habitat Monitoring and Management, High Intensity and Complexity	AC	$24.33			
644	Development of Deep Micro-Topographic Features with Heavy Equipment	AC	$90.46			
644	Development of Shallow Micro-Topographic Features with Normal Farming Equipment	AC	$31.13			

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Wildlife Habitat Pool
GLRI Nearshore Health, GLRI Invasive Species	WLFW Northern Bobwhite
WLFW Monarch Butterfly	NWQI

Planning Requirements:

- Use practice narrative code 01N for all scenarios.
- Payment is for the participant to perform annual monitoring and evaluation at least 3 times annually (after winter, during the growing season, prior to winter) to determine if the objectives of the wetland habitat practices are met, and to take appropriate action as needed each year.
- Monitoring and evaluation will include checking for unwanted species encroachment (invasive species, non-wildlife-friendly species such as tall fescue, Reed Canary grass, etc.); ensuring plant species are present for diversity objectives; plant species are present at desired levels; access to habitat areas for maintenance activities are accessible; structures are being maintained to meet their objectives; animal species and numbers are at desired levels; etc.
- Appropriate action may include additional inter-planting; additional cutting; additional planting; spot treatments; management (Prescribed Burning, disking, spraying, etc.); maintenance of access areas; maintenance of structures; animal eradication or control; etc.
- Eligible on land that is converted permanently to wetlands.
- Micro and Macro Topography: Acres implemented are only those where development of micro and microtopography will occur in existing wetland acres and not any buffer areas. Excavation for new restorations will occur under (657) Wetland Restoration, (658) Wetland Creation, (659) Wetland Enhancement, buffers are planned under (420) Wildlife Habitat Plantings.

Implementation Requirements:

- Practice Lifespan: 1 year

Documentation for Payment:

- Annual monitoring, evaluation and appropriate actions checklist.

420 Wildlife Habitat Planting

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
420	Native Species with Foregone Income	AC	$498.53			
420	Pollinator Species with Foregone Income	AC	$709.92			
420	Specialized Habitat Requirements on Cropland with Foregone Income	AC	$1,101.23			
420	Pollinator Species (No Foregone Income) (Interseeding)	AC	$372.28			
420	Very Small Acreage (<.5 ac) Planting with Seedlings	AC	$22,912.85	$6000		

Practice Scenario applicable to ranking pools:	National Organic Initiative
EQIP General	Wildlife Habitat Pool
EQIP Specialty Crop	WLFW Northern Bobwhite
GLRI Nearshore Health, GLRI Invasive Species	WLFW Monarch Butterfly

Planning Requirements:

- A Wildlife Habitat Evaluation Guide must be completed for the before and planned conditions for this scenario.
- Seeding mixes will be developed using the Indiana Wildlife Seeding Calculator found in FOTG Section IV.
- All seed mixes must meet minimum standard requirements, plus any additional requirements needed to meet the scenario or species needs. NOTE: The Monarch Planting scenario is now included with the Specialized Habitat Requirements. When this scenario is used for the monarch frameworks, it must meet monarch requirements.

Scenario	Minimum Forb Species	Minimum Seeds per SQ FT
Native Species on Cropland with FI (All pools except Monarch)	5	20
Pollinator Species with FI (All pools except Monarch)	9	25
Specialized Habitat Requirements with FI (All pools except Monarch)	15	30
Specialized Habitat Requirements with FI (Monarch Fund Pool Only)	See Monarch requirements	30
Pollinator Species, no Foregone Income ***(Interseeding)*** *(All fund pools)*	9	15

- Monarch Butterfly Requirements: All scenarios are available to establish monarch habitat and to plan setbacks from insecticide treatment areas as applicable.
    - WLFW Monarch Butterfly requires the use of the updated Monarch WHEG
    - Monarch seeding specifications require 1.5% of total mix (in seeds per square foot) be at least one (1) milkweed species (more than one encouraged- total 1.5% of the mix)
    - At least 60% of the forb mixture must be monarch preferred nectar producing forbs. Use the 2019 Addendum to the Important Plants of the Monarch Butterfly Planting List Midwest Region (updated in Indiana Wildlife Seeding Calculator).
    - Required setbacks and pest management requirements are updated in the Monarch WHEG
    - Select “Monarch” as the Priority Species in CD when the planting will meet monarch specifications and the Monarch WHEG is used in planning (all ranking pools).
- Very Small Acreage Scenario requirements:
    - Contact the NRCS State Biologist during the planning process for technical support. Species availability, quantity and project size can have dramatic impacts on planting design and materials cost. Upfront discussions on these factors with the participant are key to successful implementation.
    - Planting with seedlings for small acres must be less than ½ acre, and up to the payment cap.
    - The practice will address terrestrial habitat for **pollinators, monarchs, and/or beneficial** insects.

  - Habitat will be located as close to the target crop as possible.
  - Planting area is eligible for 484 Mulching-Natural Materials scenario.
  - The planting area is not eligible for irrigation. Any establishment watering is part of the operation and maintenance of the practice.
- Select the appropriate priority species when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

- 420 Implementation Requirements
- Practice Lifespan: 5 years

Documentation for Payment:

- Seed Tags or planting lists.
- Documentation to show how much seed was applied (e.g., seed invoice, planting invoice).
- Documentation of field preparation and seeding/planting method.
- Assistance notes from NRCS site inspection.

380 Windbreak/Shelterbelt Establishment and Renovation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
380	1 row windbreak, bare-root trees	FT	$0.36			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	NWQI, WLEB

Planning Requirements:

- See IN FOTG Standard 380 for considerations and requirements for this practice.
- Windbreak payment is based on the length (ft) of windbreak X the number of rows planned in the windbreak
    - Ex: Length of windbreak is 500’ and there are 3 rows. Total planned amount would equal 1500’.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree purchase receipts
- Assistance notes from field verification

650 Windbreak/Shelterbelt Renovation

Practice Code	Scenario	Unit Type	Payment Rate	Max Payment Cap	Max HU Cap	Livestock Practice
650	Within Row Replacement, Bare Root Planting Stock	FT	$0.34			

Practice Scenario applicable to ranking pools:	GLRI Nearshore Health
EQIP General	National Organic Initiative
EQIP Specialty Crop	WLEB

Planning Requirements:

- See IN FOTG Standard 650 for considerations and requirements for this practice.
- Renovation may include thinning, pruning, reinforcement planting or root pruning adjacent to crop fields.
- Renovation payment is based on the length (ft) of windbreak X the number of rows renovated in the windbreak
    - Ex: Length of windbreak is 500’ and there are 3 rows. Total planned amount would equal 1500’.

Implementation Requirements:

- Practice Lifespan: 15 years

Documentation for Payment:

- Tree purchase receipts.
- Assistance notes from field verification.